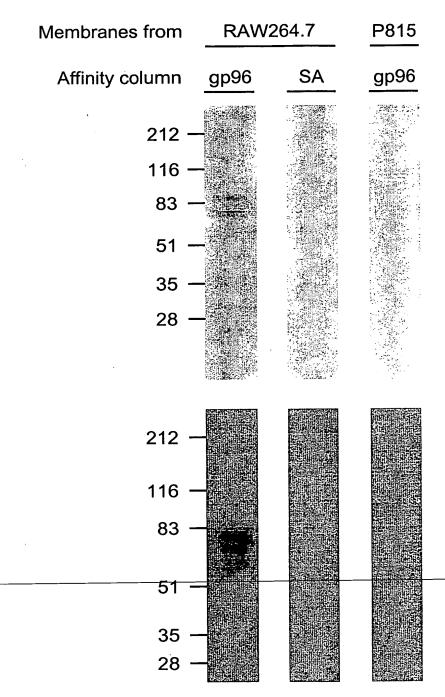


THE GLA THAN SETT OF THE STATE OF THE SETT OF THE SETT

FIG.1A



F. U.H. 1.23. U.S. 1.24 U.M. 4.25 U.M. 1.18 U.S. 1.25 U.M. 1.25 U.

FIG.1B

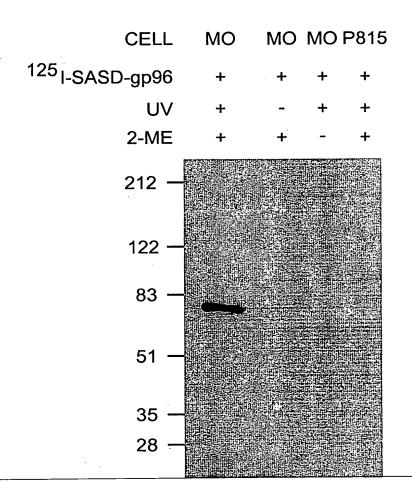


FIG.1C

	P	re-immuı	ne	Po	Post-immune					
is the factor of the state of t	RAW264.7	Macrophage	p815	RAW264.7	Macrophage	p815				
122	2 —									
83	3 —					1937				
51 35	t .	•	·							

FIG.2A

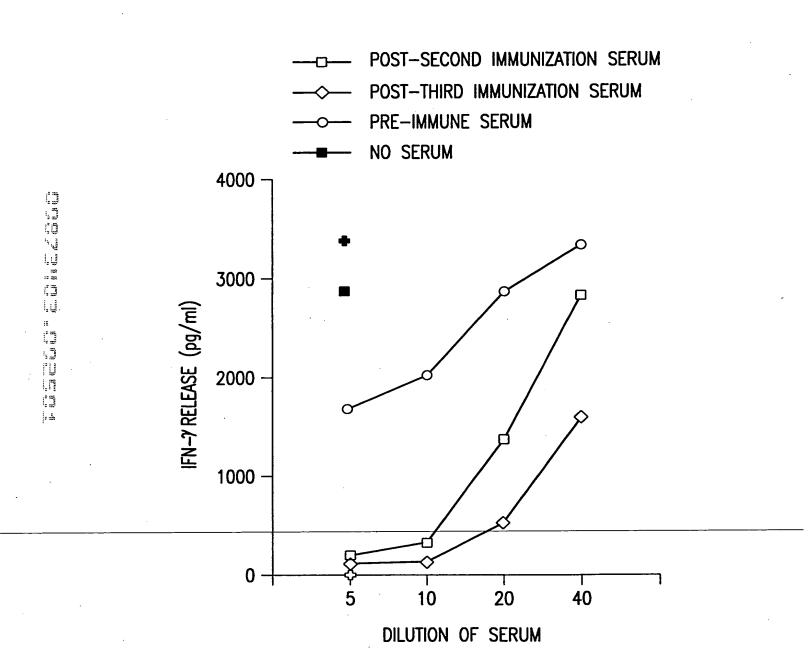


FIG.2B

Seq	_#_	<u>b</u>	<u>y</u> _	+1
G	1	58.1	-	10
G	2	115.1	1095.2	9
Α	3	186.2	1038.2	8
L	4	299.3	967.1	7
Н	5	436.5	853.9	6
ı	6	549.6	716.8	5
Υ	7	712.8	603.6	4
Н	8	850.0	440.5	3
Q	9	978.1	303.3	2
R	10	-	175.2	1

FIG.3A

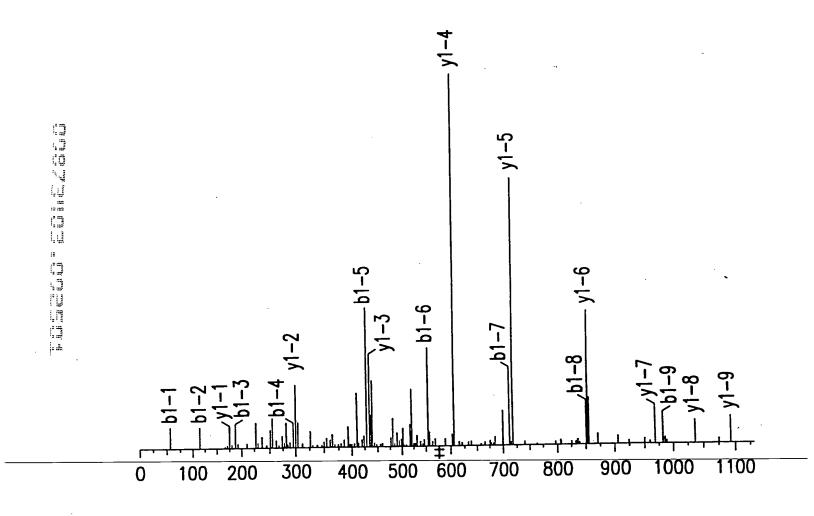


FIG.3B

POSITION	MH+	SEQUENCE	
509-518	955.0122	SGFSLGSDGK	(SEQ ID NO: 54)
328-337	973.1753	GIALDPAMGK	(SEQ ID NO: 55)
460-469	1152.3010	<b>GGALHIYHQR</b>	(SEQ ID NO: 56)
338-348	1315.5116	VFFTDYGQIPK	(SEQ ID NO: 57)

FIG.3C

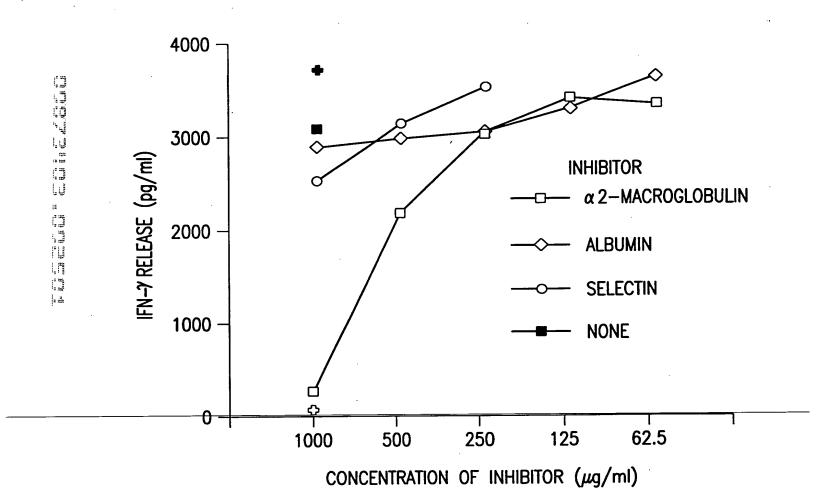
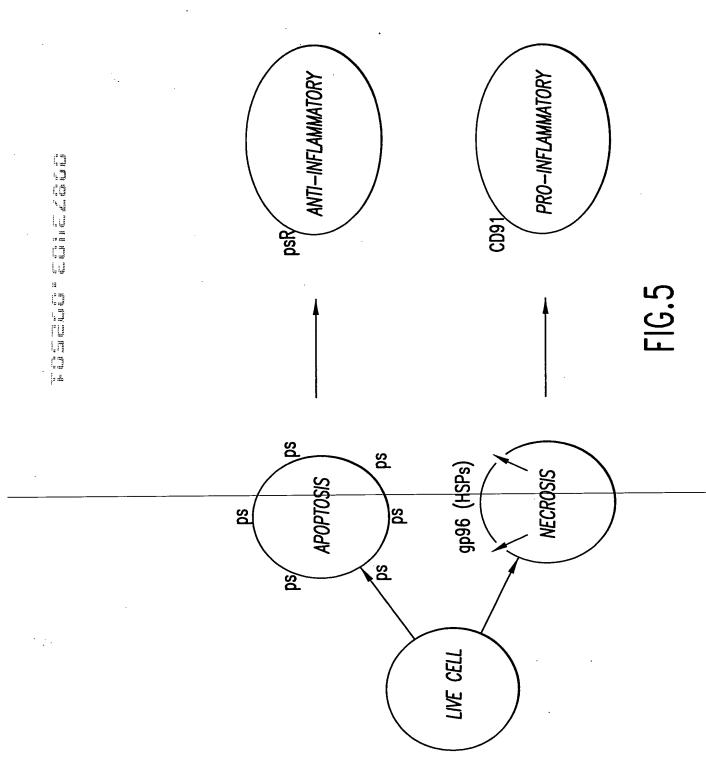


FIG.4



#### 11/65 CGCTGCTCCC CGCCAGTGCA CTGAGGAGGC GGAAACGGGG GAGCCCCTAG TGCTCCATCA 60 GGCCCCTACC AAGGCACCCC CATCGGGTCC ACGCCCCCCA CCCCCACCC CGCCTCCTCC 120 CAATTGTGCA TTTTTGCAGC CGGAGTCGGC TCCGAGATGG GGCTGTGAGC TTCGCCCTGG 180 GAGGGGGAGA GGAGCGAGGA GTAAAGCAGG GGTGAAGGGT TCGAATTTGG GGGCAGGGGG 240 CGCACCCGCG TCAGCAGGCC CTTCCCAGGG GGCTCGGAAC TGTACCATTT CACCTATGCC 300 CCTGGTTCGC TTTGCTTAAG GAAGGATAAG ATAGAAGAGT CGGGGAGAGG AAGATAAAGG 360 GGGACCCCC AATTGGGGGG GGCGAGGACA AGAAGTAACA GGACCAGAGG GTGGGGGCTG 420 CTGTTTGCAT CGGCCCACAC C ATG CTG ACC CCG CCG TTG CTG CTC GTG 471 Met Leu Thr Pro Pro Leu Leu Leu Val 1 5 10 CCG CTG CTT TCA GCT CTG GTC TCC GGG GCC ACT ATG GAT GCC CCT AAA 519 Pro Leu Leu Ser Ala Leu Val Ser Gly Ala Thr Met Asp Ala Pro Lys 15 20 25 ACT TGC AGC CCT AAG CAG TTT GCC TGC AGA GAC CAA ATC ACC TGT ATC 567 Thr Cys Ser Pro Lys Gln Phe Ala Cys Arg Asp Gln Ile Thr Cys Ile 35 30 TCA AAG GGC TGG CGG TGT GAC GGT GAA AGA GAT TGC CCC GAC GGC TCT 615 Ser Lys Gly Trp Arg Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser 45 50 GAT GAA GCC CCT GAG ATC TGT CCA CAG AGT AAA GCC CAG AGA TGC CCG 663 Asp Glu Ala Pro Glu Ile Cys Pro Gln Ser Lys Ala Gln Arg Cys Pro 65 60 70 CCA AAT GAG CAC AGT TGT CTG GGG ACT GAG CTA TGT GTC CCC ATG TCT 711 Pro Asn Glu His Ser Cys Leu Gly Thr Glu Leu Cys Val Pro Met Ser 75 80 90 85 CGT CTC TGC AAC GGG ATC CAG GAC TGC ATG GAT GGC TCA GAC GAG GGT 759 Arg Leu Cys Asn Gly Ile Gln Asp Cys Met Asp Gly Ser Asp Glu Gly 95 100 GCT CAC TGC CGA GAG CTC CGA GCC AAC TGT TCT CGA ATG GGT TGT CAA 807 Ala His Cys Arg Glu Leu Arg Ala Asn Cys Ser Arg Met Gly Cys Gln 110 115 120 CAC CAT TGT GTA CCT ACA CCC AGT GGG CCC ACG TGC TAC TGT AAC AGC 855 His His Cys Val Pro Thr Pro Ser Gly Pro Thr Cys Tyr Cys Asn Ser 125 130 135

12/65 AGC TTC CAG CTC GAG GCA GAT GGC AAG ACG TGC AAA GAT TTT GAC GAG Ser Phe Gln Leu Glu Ala Asp Gly Lys Thr Cys Lys Asp Phe Asp Glu TGT TCC GTG TAT GGC ACC TGC AGC CAG CTT TGC ACC AAC ACA GAT GGC Cys Ser Val Tyr Gly Thr Cys Ser Gln Leu Cys Thr Asn Thr Asp Gly TCC TTC ACA TGT GGC TGT GTT GAA GGC TAC CTG CTG CAA CCG GAC AAC Ser Phe Thr Cys Gly Cys Val Glu Gly Tyr Leu Leu Gln Pro Asp Asn CGC TCC TGC AAG GCC AAG AAT GAG CCA GTA GAT CGG CCG CCA GTG CTA Arg Ser Cys Lys Ala Lys Asn Glu Pro Val Asp Arg Pro Pro Val Leu CTG ATT GCC AAC TCT CAG AAC ATC CTA GCT ACG TAC CTG AGT GGG GCC Leu Ile Ala Asn Ser Gln Asn Ile Leu Ala Thr Tyr Leu Ser Gly Ala CAA GTG TCT ACC ATC ACA CCC ACC AGC ACC CGA CAA ACC ACG GCC ATG Gln Val Ser Thr Ile Thr Pro Thr Ser Thr Arg Gln Thr Thr Ala Met GAC TTC AGT TAT GCC AAT GAG ACC GTA TGC TGG GTG CAC GTT GGG GAC Asp Phe Ser Tyr Ala Asn Glu Thr Val Cys Trp Val His Val Gly Asp AGT GCT GCC CAG ACA CAG CTC AAG TGT GCC CGG ATG CCT GGC CTG AAG Ser Ala Ala Gln Thr Gln Leu Lys Cys Ala Arg Met Pro Gly Leu Lys GGC TTT GTG GAT GAG CAT ACC ATC AAC ATC TCC CTC AGC CTG CAC CAC Gly Phe Val Asp Glu His Thr Ile Asn Ile Ser Leu Ser Leu His His GTG GAG CAG ATG GCA ATC GAC TGG CTG ACG GGA AAC TTC TAC TTT GTC Val Glu Gln Met Ala Ile Asp Trp Leu Thr Gly Asn Phe Tyr Phe Val GAC GAC ATT GAC GAC AGG ATC TTT GTC TGT AAC CGA AAC GGG GAC ACC Asp Asp Ile Asp Asp Arg Ile Phe Val Cys Asn Arg Asn Gly Asp Thr 

FIG.6A-2

						13	100					
									AAA Lys			1431
									TAC Tyr			1479
									CGC Arg			1527
									CTG Leu 375			1575
The state of the s									TAC Tyr			1623
the time that the time the									CAA G1n		CTG Leu 410	1671
									TAT Tyr			1719
			Asn								CGA Arg	1767
	 										GAC Asp	1815
	 	Gly			Tyr				Gln		GTG Val	1863
	Ser			Asn				Lys			TGC Cys 490	1911

14/65 TCC GAC ATC TGC CTC CTG GCC AAC AGT CAC AAG GCA AGG ACC TGC AGG Ser Asp Ile Cys Leu Leu Ala Asn Ser His Lys Ala Arg Thr Cys Arg TGC AGG TCT GGC TTC AGC CTG GGA AGT GAT GGG AAG TCT TGT AAG AAA Cys Arg Ser Gly Phe Ser Leu Gly Ser Asp Gly Lys Ser Cys Lys Lys CCT GAA CAT GAG CTG TTC CTC GTG TAT GGC AAG GGC CGA CCA GGC ATC Pro Glu His Glu Leu Phe Leu Val Tyr Gly Lys Gly Arg Pro Gly Ile ATT AGA GGC ATG GAC ATG GGG GCC AAG GTC CCA GAT GAG CAC ATG ATC Ile Arg Gly Met Asp Met Gly Ala Lys Val Pro Asp Glu His Met Ile CCC ATC GAG AAC CTT ATG AAT CCA CGC GCT CTG GAC TTC CAC GCC GAG Pro Ile Glu Asn Leu Met Asn Pro Arg Ala Leu Asp Phe His Ala Glu ACC GGC TTC ATC TAC TTT GCT GAC ACC ACC AGC TAC CTC ATT GGC CGC Thr Gly Phe Ile Tyr Phe Ala Asp Thr Thr Ser Tyr Leu Ile Gly Arg CAG AAA ATT GAT GGC ACG GAG AGA GAG ACT ATC CTG AAG GAT GGC ATC Gln Lys Ile Asp Gly Thr Glu Arg Glu Thr Ile Leu Lys Asp Gly Ile CAC AAT GTG GAG GGC GTA GCC GTG GAC TGG ATG GGA GAC AAT CTT TAC His Asn Val Glu Gly Val Ala Val Asp Trp Met Gly Asp Asn Leu Tyr TGG ACT GAT GAT GGC CCC AAG AAG ACC ATT AGT GTG GCC AGG CTG GAG Trp Thr Asp Asp Gly Pro Lys Lys Thr Ile Ser Val Ala Arg Leu Glu AAA GCC GCT CAG ACC CGG AAG ACT CTA ATT GAG GGC AAG ATG ACA CAC Lys Ala Ala Gln Thr Arg Lys Thr Leu Ile Glu Gly Lys Met Thr His CCC AGG GCC ATT GTA GTG GAT CCA CTC AAT GGG TGG ATG TAC TGG ACA Pro Arg Ala Ile Val Val Asp Pro Leu Asn Gly Trp Met Tyr Trp Thr 

FIG.6A-4

#### 15/65 GAC TGG GAG GAC CCC AAG GAC AGT CGG CGA GGG CGG CTC GAG AGG Asp Trp Glu Glu Asp Pro Lys Asp Ser Arg Arg Gly Arg Leu Glu Arg GCT TGG ATG GAC GGC TCA CAC CGA GAT ATC TTT GTC ACC TCC AAG ACA Ala Trp Met Asp Gly Ser His Arg Asp Ile Phe Val Thr Ser Lys Thr GTG CTT TGG CCC AAT GGG CTA AGC CTG GAT ATC CCA GCC GGA CGC CTC Val Leu Trp Pro Asn Gly Leu Ser Leu Asp Ile Pro Ala Gly Arg Leu TAC TGG GTG GAT GCC TTC TAT GAC CGA ATT GAG ACC ATA CTG CTC AAT Tyr Trp Val Asp Ala Phe Tyr Asp Arg Ile Glu Thr Ile Leu Leu Asn GGC ACA GAC CGG AAG ATT GTA TAT GAG GGT CCT GAA CTG AAT CAT GCC Gly Thr Asp Arg Lys Ile Val Tyr Glu Gly Pro Glu Leu Asn His Ala TTC GGC CTG TGT CAC CAT GGC AAC TAC CTC TTT TGG ACC GAG TAC CGG Phe Gly Leu Cys His His Gly Asn Tyr Leu Phe Trp Thr Glu Tyr Arg AGC GGC AGC GTC TAC CGC TTG GAA CGG GGC GTG GCA GGC GCA CCG CCC Ser Gly Ser Val Tyr Arg Leu Glu Arg Gly Val Ala Gly Ala Pro Pro ACT GTG ACC CTT CTG CGC AGC GAG AGA CCG CCT ATC TTT GAG ATC CGA Thr Val Thr Leu Leu Arg Ser Glu Arg Pro Pro Ile Phe Glu Ile Arg ATG TAC GAC GCG CAC GAG CAG CAA GTG GGT ACC AAC AAA TGC CGG GTA Met Tyr Asp Ala His Glu Gln Gln Val Gly Thr Asn Lys Cys Arg Val AAT AAC GGA GGC TGC AGC AGC CTG TGC CTC GCC ACC CCC GGG AGC CGC Asn Asn Gly Gly Cys Ser Ser Leu Cys Leu Ala Thr Pro Gly Ser Arg CAG TGT GCC TGT GCC GAG GAC CAG GTG TTG GAC ACA GAT GGT GTC ACC Gln Cys Ala Cys Ala Glu Asp Gln Val Leu Asp Thr Asp Gly Val Thr

FIG.6A-5

							CAG G1n				3015
							GAG G1u 870				3063
							GAG G1u				3111
							AAG Lys				3159
							GAT Asp			GGC Gly	3207
										CCA Pro	3255
										TGG Trp	3303
										GCC Ala 970	3351
						Thr				AAC Asn	3399
					Arg			Asn		GAC Asp	3447
Gly	Asn		Glu	G1y					Cys	AGT Ser	3495

FIG.6A-6

17/65 ACC CAG TTC AAG TGC AAC AGT GGC AGA TGC ATC CCC GAG CAC TGG ACG Thr Gln Phe Lys Cys Asn Ser Gly Arg Cys Ile Pro Glu His Trp Thr TGT GAT GGG GAC AAT GAT TGT GGG GAC TAC AGC GAC GAG ACA CAC GCC Cys Asp Gly Asp Asn Asp Cys Gly Asp Tyr Ser Asp Glu Thr His Ala AAC TGT ACC AAC CAG GCT ACA AGA CCT CCT GGT GGC TGC CAC TCG GAT Asn Cys Thr Asn Gln Ala Thr Arg Pro Pro Gly Gly Cys His Ser Asp GAG TTC CAG TGC CCG CTA GAT GGC CTG TGC ATC CCC CTG AGG TGG CGC Glu Phe Gln Cys Pro Leu Asp Gly Leu Cys Ile Pro Leu Arg Trp Arg TGC GAC GGG GAC ACC GAC TGC ATG GAT TCC AGC GAT GAG AAG AGC TGT Cys Asp Gly Asp Thr Asp Cys Met Asp Ser Ser Asp Glu Lys Ser Cys GAG GGC GTG ACC CAT GTT TGT GAC CCG AAT GTC AAG TTT GGC TGC AAG Glu Gly Val Thr His Val Cys Asp Pro Asn Val Lys Phe Gly Cys Lys GAC TCC GCC CGG TGC ATC AGC AAG GCG TGG GTG TGT GAT GGC GAC AGC Asp Ser Ala Arg Cys Ile Ser Lys Ala Trp Val Cys Asp Gly Asp Ser GAC TGT GAA GAT AAC TCC GAC GAG GAG AAC TGT GAG GCC CTG GCC TGC Asp Cys Glu Asp Asn Ser Asp Glu Glu Asn Cys Glu Ala Leu Ala Cys AGG CCA CCC TCC CAT CCC TGC GCC AAC AAC ACC TCT GTC TGC CTG CCT Arg Pro Pro Ser His Pro Cys Ala Asn Asn Thr Ser Val Cys Leu Pro CCT GAC AAG CTG TGC GAC GGC AAG GAT GAC TGT GGA GAC GGC TCG GAT Pro Asp Lys Leu Cys Asp Gly Lys Asp Asp Cys Gly Asp Gly Ser Asp GAG GGC GAG CTC TGT GAC CAG TGT TCT CTG AAT AAT GGT GGC TGT AGT Glu Gly Glu Leu Cys Asp Gln Cys Ser Leu Asn Asn Gly Gly Cys Ser 

#### 18/65 CAC AAC TGC TCA GTG GCC CCT GGT GAA GGC ATC GTG TGC TCT TGC CCT His Asn Cys Ser Val Ala Pro Gly Glu Gly Ile Val Cys Ser Cys Pro CTG GGC ATG GAG CTG GGC TCT GAC AAC CAC ACC TGC CAG ATC CAG AGC Leu Gly Met Glu Leu Gly Ser Asp Asn His Thr Cys Gln Ile Gln Ser TAC TGT GCC AAG CAC CTC AAA TGC AGC CAG AAG TGT GAC CAG AAC AAG Tyr Cys Ala Lys His Leu Lys Cys Ser Gln Lys Cys Asp Gln Asn Lys TTC AGT GTG AAG TGC TCC TGC TAC GAG GGC TGG GTC TTG GAG CCT GAC Phe Ser Val Lys Cys Ser Cys Tyr Glu Gly Trp Val Leu Glu Pro Asp GGG GAA ACG TGC CGC AGT CTG GAT CCC TTC AAA CTG TTC ATC ATC TTC Gly Glu Thr Cys Arg Ser Leu Asp Pro Phe Lys Leu Phe Ile Ile Phe TCC AAC CGC CAC GAG ATC AGG CGC ATT GAC CTT CAC AAG GGG GAC TAC Ser Asn Arg His Glu Ile Arg Arg Ile Asp Leu His Lys Gly Asp Tyr AGC GTC CTA GTG CCT GGC CTG CGC AAC ACT ATT GCC CTG GAC TTC CAC Ser Val Leu Val Pro Gly Leu Arg Asn Thr Ile Ala Leu Asp Phe His CTC AGC CAG AGT GCC CTC TAC TGG ACC GAC GCG GTA GAG GAC AAG ATC Leu Ser Gln Ser Ala Leu Tyr Trp Thr Asp Ala Val Glu Asp Lys Ile TAC CGT GGG AAA CTC CTG GAC AAC GGA GCC CTG ACC AGC TTT GAG GTG Tyr Arg Gly Lys Leu Leu Asp Asn Gly Ala Leu Thr Ser Phe Glu Val GTG ATT CAG TAT GGC TTG GCC ACA CCA GAG GGC CTG GCT GTA GAT TGG Val Ile Gln Tyr Gly Leu Ala Thr Pro Glu Gly Leu Ala Val Asp Trp ATT GCA GGC AAC ATC TAC TGG GTG GAG AGC AAC CTG GAC CAG ATC GAA Ile Ala Gly Asn Ile Tyr Trp Val Glu Ser Asn Leu Asp Gln Ile Glu

19/65 GTG GCC AAG CTG GAC GGA ACC CTC CGA ACC ACT CTG CTG GCG GGT GAC Val Ala Lys Leu Asp Gly Thr Leu Arg Thr Thr Leu Leu Ala Gly Asp ATT GAG CAC CCG AGG GCC ATC GCT CTG GAC CCT CGG GAT GGG ATT CTG Ile Glu His Pro Arg Ala Ile Ala Leu Asp Pro Arg Asp Gly Ile Leu TTT TGG ACA GAC TGG GAT GCC AGC CTG CCA CGA ATC GAG GCT GCA TCC Phe Trp Thr Asp Trp Asp Ala Ser Leu Pro Arg Ile Glu Ala Ala Ser ATG AGT GGA GCT GGC CGA ACC ATC CAC CGG GAG ACA GGC TCT GGG Met Ser Gly Ala Gly Arg Arg Thr Ile His Arg Glu Thr Gly Ser Gly GGC TGC GCC AAT GGG CTC ACC GTG GAT TAC CTG GAG AAG CGC ATC CTC Gly Cys Ala Asn Gly Leu Thr Val Asp Tyr Leu Glu Lys Arg Ile Leu TGG ATT GAT GCT AGG TCA GAT GCC ATC TAT TCA GCC CGG TAT GAC GGC Trp Ile Asp Ala Arg Ser Asp Ala Ile Tyr Ser Ala Arg Tyr Asp Gly TCC GGC CAC ATG GAG GTG CTT CGG GGA CAC GAG TTC CTG TCA CAC CCA Ser Gly His Met Glu Val Leu Arg Gly His Glu Phe Leu Ser His Pro TTT GCC GTG ACA CTG TAC GGT GGG GAG GTG TAC TGG ACC GAC TGG CGA Phe Ala Val Thr Leu Tyr Gly Gly Glu Val Tyr Trp Thr Asp Trp Arg ACA AAT ACA CTG GCT AAG GCC AAC AAG TGG ACT GGC CAC AAC GTC ACC Thr Asn Thr Leu Ala Lys Ala Asn Lys Trp Thr Gly His Asn Val Thr GTG GTA CAG AGG ACC AAC ACC CAG CCC TTC GAC CTG CAG GTG TAT CAC Val Val Gln Arg Thr Asn Thr Gln Pro Phe Asp Leu Gln Val Tyr His CCT TCC CGG CAG CCC ATG GCT CCA AAC CCA TGT GAG GCC AAT GGC GGC Pro Ser Arg Gln Pro Met Ala Pro Asn Pro Cys Glu Ala Asn Gly Gly 

#### 20/65 CGG GGC CCC TGT TCC CAT CTG TGC CTC ATC AAC TAC AAC CGG ACC GTC Arg Gly Pro Cys Ser His Leu Cys Leu Ile Asn Tyr Asn Arg Thr Val TCC TGG GCC TGT CCC CAC CTC ATG AAG CTG CAC AAG GAC AAC ACC ACC Ser Trp Ala Cys Pro His Leu Met Lys Leu His Lys Asp Asn Thr Thr TGC TAT GAG TTT AAG AAG TTC CTG CTG TAC GCA CGT CAG ATG GAG ATC Cys Tyr Glu Phe Lys Lys Phe Leu Leu Tyr Ala Arg Gln Met Glu Ile CGG GGC GTG GAC CTG GAT GCC CCG TAC TAC AAT TAT ATC ATC TCC TTC Arg Gly Val Asp Leu Asp Ala Pro Tyr Tyr Asn Tyr Ile Ile Ser Phe ACG GTG CCT GAT ATC GAC AAT GTC ACG GTG CTG GAC TAT GAT GCC CGA Thr Val Pro Asp Ile Asp Asn Val Thr Val Leu Asp Tyr Asp Ala Arg GAG CAG CGA GTT TAC TGG TCT GAT GTG CGG ACT CAA GCC ATC AAA AGG Glu Gln Arg Val Tyr Trp Ser Asp Val Arg Thr Gln Ala Ile Lys Arg GCA TTT ATC AAC GGC ACT GGC GTG GAG ACC GTT GTC TCT GCA GAC TTG Ala Phe Ile Asn Gly Thr Gly Val Glu Thr Val Val Ser Ala Asp Leu CCC AAC GCC CAC GGG CTG GCT GTG GAC TGG GTC TCC CGA AAT CTG TTT Pro Asn Ala His Gly Leu Ala Val Asp Trp Val Ser Arg Asn Leu Phe TGG ACA AGT TAC GAC ACC AAC AAG AAG CAG ATT AAC GTG GCC CGG CTG Trp Thr Ser Tyr Asp Thr Asn Lys Lys Gln Ile Asn Val Ala Arg Leu GAC GGC TCC TTC AAG AAT GCG GTG GTG CAG GGC CTG GAG CAG CCC CAC Asp Gly Ser Phe Lys Asn Ala Val Val Gln Gly Leu Glu Gln Pro His GGC CTG GTC GTC CAC CCG CTT CGT GGC AAG CTC TAC TGG ACT GAT GGG Gly Leu Val Val His Pro Leu Arg Gly Lys Leu Tyr Trp Thr Asp Gly

								21.	/65						* 1 A	
	Asn					Asn		GAT	GGG		Asn			CTG Leu		5655
Phe					Gly					Ala				CCT Pro		5703
				Trp					Asn					CGT Arg		5751
			Gly					Val					Arg	AGC Ser 1785		5799
		Lys					Ala					Lys		TGG Trp		5847
	Asp					Lys					Asn			GAT Asp		5895
Ser					Leu					Thr				CAC His		5943
	Val	Tyr	Asp	G1u	Ser		Gln	Leu	G1u	His	Glu			AAC Asn		5991
TGC	AGT	GTC	AAC Asn	AAC	GGA	GAC	TGT	TCC Ser	CAG	СТС	TGC		Pro		TCA	6039
		Thr					Cys					Ser		CGG Arg		6087
	Gln		Ala			Gly		Gly			Leu		Tyr	TCT Ser	GTA Val	6135

22/65 CAT GAG GGA ATT CGG GGG ATT CCA CTA GAT CCC AAT GAC AAG TCG GAT His Glu Gly Ile Arg Gly Ile Pro Leu Asp Pro Asn Asp Lys Ser Asp GCC CTG GTC CCA GTG TCC GGA ACT TCA CTG GCT GTC GGA ATC GAC TTC Ala Leu Val Pro Val Ser Gly Thr Ser Leu Ala Val Gly Ile Asp Phe CAT GCC GAA AAT GAC ACT ATT TAT TGG GTG GAT ATG GGC CTA AGC ACC His Ala Glu Asn Asp Thr Ile Tyr Trp Val Asp Met Gly Leu Ser Thr ATC AGC AGG GCC AAG CGT GAC CAG ACA TGG CGA GAG GAT GTG GTG ACC Ile Ser Arg Ala Lys Arg Asp Gln Thr Trp Arg Glu Asp Val Val Thr AAC GGT ATT GGC CGT GTG GAG GGC ATC GCC GTG GAC TGG ATC GCA GGC Asn Gly Ile Gly Arg Val Glu Gly Ile Ala Val Asp Trp Ile Ala Gly AAC ATA TAC TGG ACG GAC CAG GGC TTC GAT GTC ATC GAG GTT GCC CGG Asn Ile Tyr Trp Thr Asp Gln Gly Phe Asp Val Ile Glu Val Ala Arg CTC AAT GGC TCT TTT CGT TAT GTG GTC ATT TCC CAG GGT CTG GAC AAG Leu Asn Gly Ser Phe Arg Tyr Val Val Ile Ser Gln Gly Leu Asp Lys CCT CGG GCC ATC ACT GTC CAC CCA GAG AAG GGG TAC TTG TTC TGG ACC Pro Arg Ala Ile Thr Val His Pro Glu Lys Gly Tyr Leu Phe Trp Thr GAG TGG GGT CAT TAC CCA CGT ATT GAG CGG TCT CGC CTT GAT GGC ACA Glu Trp Gly His Tyr Pro Arg Ile Glu Arg Ser Arg Leu Asp Gly Thr GAG AGA GTG GTG TTG GTT AAT GTC AGC ATC AGC TGG CCC AAT GGC ATC Glu Arg Val Val Leu Val Asn Val Ser Ile Ser Trp Pro Asn Gly Ile TCA GTA GAC TAT CAG GGC GGC AAG CTC TAC TGG TGT GAT GCT CGG ATG Ser Val Asp Tyr Gln Gly Gly Lys Leu Tyr Trp Cys Asp Ala Arg Met 

				23/03			
		CGC ATC Arg Ile 2 2080		Glu Thr			6711
	Ser Ser	AAT AAC Asn Asn 2095				Ser Val	6759
		TGG AGT	Asp Arg				6807
Arg Gly		GAC AAT Asp Asn			Val Pro		6855
		CTT AAA Leu Lys 2					6903
		GTG TGC Val Cys 2160		Ala Asn			6951
	Tyr Arg	GGT GGC Gly Gly 2175			Cys Ala	Cys Ala	6999
		GAC GGG Asp Gly	Ala Ser				7047
Leu Tyr		CGG ACC Arg Thr			Ile His		7095
	Leu Asn	GCA CCG Ala Pro				Pro Glu	 7143
		GCC CTG Ala Leu 2240		Asp Tyr			7191

#### 24/65 GGG ACC CCT AAC CGC ATC TTC TTC AGT GAC ATC CAC TTT GGG AAC ATC Gly Thr Pro Asn Arg Ile Phe Phe Ser Asp Ile His Phe Gly Asn Ile CAG CAG ATC AAT GAC GAT GGC TCG GGC AGG ACC ACC ATC GTG GAA AAT Gln Gln Ile Asn Asp Asp Gly Ser Gly Arg Thr Thr Ile Val Glu Asn GTG GGC TCT GTG GAA GGC CTG GCC TAT CAC CGT GGC TGG GAC ACA CTG Val Gly Ser Val Glu Gly Leu Ala Tyr His Arg Gly Trp Asp Thr Leu TAC TGG ACA AGC TAC ACC ACA TCC ACC ATC ACC CGC CAC ACC GTG GAC Tyr Trp Thr Ser Tyr Thr Thr Ser Thr Ile Thr Arg His Thr Val Asp CAG ACT CGC CCA GGG GCC TTC GAG AGG GAG ACA GTC ATC ACC ATG TCC Gln Thr Arg Pro Gly Ala Phe Glu Arg Glu Thr Val Ile Thr Met Ser GGA GAC GAC CCG AGA GCC TTT GTG CTG GAT GAG TGC CAG AAC CTG Gly Asp Asp His Pro Arg Ala Phe Val Leu Asp Glu Cys Gln Asn Leu ATG TTC TGG ACC AAT TGG AAC GAG CTC CAT CCA AGC ATC ATG CGG GCA Met Phe Trp Thr Asn Trp Asn Glu Leu His Pro Ser Ile Met Arg Ala GCC CTA TCC GGA GCC AAC GTC CTG ACC CTC ATT GAG AAG GAC ATC CGC Ala Leu Ser Gly Ala Asn Val Leu Thr Leu Ile Glu Lys Asp Ile Arg ACG CCC AAT GGG TTG GCC ATC GAC CAC CGG GCG GAG AAG CTG TAC TTC Thr Pro Asn Gly Leu Ala Ile Asp His Arg Ala Glu Lys Leu Tyr Phe TCG GAT GCC ACC TTG GAC AAG ATC GAG CGC TGC GAG TAC GAC GGC TCC Ser Asp Ala Thr Leu Asp Lys Ile Glu Arg Cys Glu Tyr Asp Gly Ser CAC CGC TAT GTG ATC CTA AAG TCG GAG CCC GTC CAC CCC TTT GGG TTG His Arg Tyr Val Ile Leu Lys Ser Glu Pro Val His Pro Phe Gly Leu

25/65	
GCG GTG TAC GGA GAG CAC ATT TTC TGG ACT GAC TGG GTG CGG CGG GCT Ala Val Tyr Gly Glu His Ile Phe Trp Thr Asp Trp Val Arg Arg Ala 2430 2435 2440	7767
GTG CAG CGA GCC AAC AAG TAT GTG GGC AGC GAC ATG AAG CTG CTT CGG Val Gln Arg Ala Asn Lys Tyr Val Gly Ser Asp Met Lys Leu Leu Arg 2445 2450 2455	7815
GTG GAC ATT CCC CAG CAA CCC ATG GGC ATC ATC GCC GTG GCC AAT GAC Val Asp Ile Pro Gln Gln Pro Met Gly Ile Ile Ala Val Ala Asn Asp 2460 2465 2470	7863
ACC AAC AGC TGT GAA CTC TCC CCC TGC CGT ATC AAC AAT GGA GGC TGC Thr Asn Ser Cys Glu Leu Ser Pro Cys Arg Ile Asn Asn Gly Gly Cys 2475 2480 2485 2490	7911
CAG GAT CTG TGT CTG CTC ACC CAC CAA GGC CAC GTC AAC TGT TCC TGT Gln Asp Leu Cys Leu Leu Thr His Gln Gly His Val Asn Cys Ser Cys 2495 2500 2505	7959
CGA GGG GGC CGG ATC CTC CAG GAG GAC TTC ACC TGC CGG GCT GTG AAC Arg Gly Gly Arg Ile Leu Gln Glu Asp Phe Thr Cys Arg Ala Val Asn 2510 2515 2520	8007
TCC TCT TGT CGG GCA CAA GAT GAG TTT GAG TGT GCC AAT GGG GAA TGT Ser Ser Cys Arg Ala Gln Asp Glu Phe Glu Cys Ala Asn Gly Glu Cys 2525 2530 2535	8055
ATC AGC TTC AGC CTC ACC TGT GAT GGC GTC TCC CAC TGC AAG GAC AAG Ile Ser Phe Ser Leu Thr Cys Asp Gly Val Ser His Cys Lys Asp Lys 2540 2545 2550	8103
TCC GAT GAG AAG CCC TCC TAC TGC AAC TCA CGC CGC TGC AAG AAG ACT Ser Asp Glu Lys Pro Ser Tyr Cys Asn Ser Arg Arg Cys Lys Lys Thr 2555 2560 2565 2570	8151
TTC CGC CAG TGT AAC AAT GGC CGC TGT GTA TCC AAC ATG CTG TGG TGC Phe Arg Gln Cys Asn Asn Gly Arg Cys Val Ser Asn Met Leu Trp Cys 2575 2580 2585	8199
AAT GGG GTG GAT TAC TGT GGG GAT GGC TCT GAT GAG ATA CCT TGC AAC Asn Gly Val Asp Tyr Cys Gly Asp Gly Ser Asp Glu Ile Pro Cys Asn 2590 2595 2600	8247

AAG ACT GCC TGT GGT GTG GGT GAG TTC CGC TGC CGG GAT GGG TCC TGC Lys Thr Ala Cys Gly Val Gly Glu Phe Arg Cys Arg Asp Gly Ser Cys 2605 2610 2615	8295
ATC GGG AAC TCC AGT CGC TGC AAC CAG TTT GTG GAT TGT GAG GAT GCC Ile Gly Asn Ser Ser Arg Cys Asn Gln Phe Val Asp Cys Glu Asp Ala 2620 2625 2630	8343
TCG GAT GAG ATG AAT TGC AGT GCC ACA GAC TGC AGC AGC TAT TTC CGC Ser Asp Glu Met Asn Cys Ser Ala Thr Asp Cys Ser Ser Tyr Phe Arg 2635 2640 2645 2650	8391
CTG GGC GTG AAA GGT GTC CTC TTC CAG CCG TGC GAG CGG ACA TCC CTG Leu Gly Val Lys Gly Val Leu Phe Gln Pro Cys Glu Arg Thr Ser Leu 2655 2660 2665	8439
TGC TAC GCA CCT AGC TGG GTG TGT GAT GGC GCC AAC GAC TGT GGA GAC Cys Tyr Ala Pro Ser Trp Val Cys Asp Gly Ala Asn Asp Cys Gly Asp 2670 2675 2680	8487
TAC AGC GAT GAA CGT GAC TGT CCA GGT GTG AAG CGC CCT AGG TGC CCG Tyr Ser Asp Glu Arg Asp Cys Pro Gly Val Lys Arg Pro Arg Cys Pro 2685 2690 2695	8535
CTC AAT TAC TTT GCC TGC CCC AGC GGG CGC TGT ATC CCC ATG AGC TGG Leu Asn Tyr Phe Ala Cys Pro Ser Gly Arg Cys Ile Pro Met Ser Trp 2700 2705 2710	8583
ACG TGT GAC AAG GAG GAT GAC TGT GAG AAC GGC GAG GAT GAG ACC CAC Thr Cys Asp Lys Glu Asp Asp Cys Glu Asn Gly Glu Asp Glu Thr His 2715 2720 2725 2730	8631
TGC AAC AAG TTC TGC TCA GAG GCA CAG TTC GAG TGC CAG AAC CAC CGG Cys Asn Lys Phe Cys Ser Glu Ala Gln Phe Glu Cys Gln Asn His Arg 2735 2740 2745	8679
TGT ATC TCC AAG CAG TGG CTG TGT GAC GGT AGC GAT GAT TGC GGG GAT Cys Ile Ser Lys Gln Trp Leu Cys Asp Gly Ser Asp Asp Cys Gly Asp 2750 2760	8727
GGC TCC GAT GAG GCA GCT CAC TGT GAA GGC AAG ACA TGT GGC CCC TCC Gly Ser Asp Glu Ala Ala His Cys Glu Gly Lys Thr Cys Gly Pro Ser 2765 2770 2775	8775

TCC TTC TCC TGT CCC GGC ACC CAC GTG TGT GTC CCT GAG CGC TGG CTC  Ser Phe Ser Cys Pro Gly Thr His Val Cys Val Pro Glu Arg Trp Leu  2780 2785 2790	8823
TGT GAT GGC GAC AAG GAC TGT ACC GAT GGC GCG GAT GAG AGT GTC ACT Cys Asp Gly Asp Lys Asp Cys Thr Asp Gly Ala Asp Glu Ser Val Thr 2795 2800 2805 2810	8871
GCT GGC TGC CTG TAC AAC AGC ACC TGT GAT GAC CGT GAG TTC ATG TGC Ala Gly Cys Leu Tyr Asn Ser Thr Cys Asp Asp Arg Glu Phe Met Cys 2815 2820 2825	8919
CAG AAC CGC TTG TGT ATT CCC AAG CAT TTC GTG TGC GAC CAT GAC CGT Gln Asn Arg Leu Cys Ile Pro Lys His Phe Val Cys Asp His Asp Arg 2830 2835 2840	8967
GAC TGT GCT GAT GGC TCT GAT GAA TCC CCT GAG TGT GAG TAC CCA ACC Asp Cys Ala Asp Gly Ser Asp Glu Ser Pro Glu Cys Glu Tyr Pro Thr 2845 2850 2855	9015
TGC GGG CCC AAT GAA TTC CGC TGT GCC AAT GGG CGT TGT CTG AGC TCC Cys Gly Pro Asn Glu Phe Arg Cys Ala Asn Gly Arg Cys Leu Ser Ser 2860 2865 2870	9063
CGT CAG TGG GAA TGT GAT GGG GAG AAT GAC TGT CAC GAC CAC AGC GAT Arg Gln Trp Glu Cys Asp Gly Glu Asn Asp Cys His Asp His Ser Asp 2875 2880 2885 2890	9111
GAG GCT CCC AAG AAC CCA CAC TGC ACC AGC CCA GAG CAC AAA TGC AAT Glu Ala Pro Lys Asn Pro His Cys Thr Ser Pro Glu His Lys Cys Asn 2895 2900 2905	9159
GCC TCA TCA CAG TTC CTG TGC AGC AGC GGG CGC TGC GTG GCT GAG GCG Ala Ser Ser Gln Phe Leu Cys Ser Ser Gly Arg Cys Val Ala Glu Ala 2910 2915 2920	9207
TTG CTC TGC AAC GGC CAG GAC GAC TGT GGG GAC GGT TCA GAC GAA CGC Leu Leu Cys Asn Gly Gln Asp Asp Cys Gly Asp Gly Ser Asp Glu Arg 2925 2930 2935	9255
GGG TGC CAT GTC AAC GAG TGT CTC AGC CGC AAG CTC AGT GGC TGC AGT Gly Cys His Val Asn Glu Cys Leu Ser Arg Lys Leu Ser Gly Cys Ser 2940 2945 2950	9303

#### 28/65 CAG GAC TGC GAG GAC CTC AAG ATA GGC TTT AAG TGC CGC TGT CGC CCG Gln Asp Cys Glu Asp Leu Lys Ile Gly Phe Lys Cys Arg Cys Arg Pro GGC TTC CGG CTA AAG GAC GAT GGC AGG ACC TGT GCC GAC CTG GAT GAG Gly Phe Arg Leu Lys Asp Asp Gly Arg Thr Cys Ala Asp Leu Asp Glu TGC AGC ACC TTC CCC TGC AGC CAG CTC TGC ATC AAC ACC CAC GGA Cys Ser Thr Thr Phe Pro Cys Ser Gln Leu Cys Ile Asn Thr His Gly AGT TAC AAG TGT CTG TGT GTG GAG GGC TAT GCA CCC CGT GGC GGT GAC Ser Tyr Lys Cys Leu Cys Val Glu Gly Tyr Ala Pro Arg Gly Gly Asp CCC CAC AGC TGC AAA GCT GTG ACC GAT GAG GAG CCA TTT CTC ATC TTT Pro His Ser Cys Lys Ala Val Thr Asp Glu Glu Pro Phe Leu Ile Phe GCC AAC CGG TAC TAC CTG CGG AAG CTC AAC CTG GAC GGC TCC AAC TAC Ala Asn Arg Tyr Tyr Leu Arg Lys Leu Asn Leu Asp Gly Ser Asn Tyr ACA CTG CTT AAG CAG GGC CTG AAC AAT GCG GTC GCC TTG GCA TTT GAC Thr Leu Leu Lys Gln Gly Leu Asn Asn Ala Val Ala Leu Ala Phe Asp TAC CGA GAG CAG ATG ATC TAC TGG ACG GGC GTG ACC ACC CAG GGC AGC Tyr Arg Glu Gln Met Ile Tyr Trp Thr Gly Val Thr Thr Gln Gly Ser ATG ATT CGC AGG ATG CAC CTC AAC GGC AGC AAC GTG CAG GTT CTG CAC Met Ile Arg Arg Met His Leu Asn Gly Ser Asn Val Gln Val Leu His CGG ACG GGC CTT AGT AAC CCA GAT GGG CTC GCT GTG GAC TGG GTG GGT Arg Thr Gly Leu Ser Asn Pro Asp Gly Leu Ala Val Asp Trp Val Gly GGC AAC CTG TAC TGG TGT GAC AAG GGC AGA GAT ACC ATT GAG GTG TCC Gly Asn Leu Tyr Trp Cys Asp Lys Gly Arg Asp Thr Ile Glu Val Ser

#### 29/65 AAG CTT AAC GGG GCC TAT CGG ACA GTG CTG GTC AGC TCT GGC CTC CGG 9879 Lys Leu Asn Gly Ala Tyr Arg Thr Val Leu Val Ser Ser Gly Leu Arg 3140 3145 3135 GAG CCC AGA GCT CTG GTA GTG GAT GTA CAG AAT GGG TAC CTG TAC TGG 9927 Glu Pro Arg Ala Leu Val Val Asp Val Gln Asn Gly Tyr Leu Tyr Trp 3150 3155 3160 ACA GAC TGG GGT GAC CAC TCA CTG ATC GGC CGG ATT GGC ATG GAT GGA 9975 Thr Asp Trp Gly Asp His Ser Leu Ile Gly Arg Ile Gly Met Asp Gly 3165 3170 3175 TCT GGC CGC AGC ATC ATC GTG GAC ACT AAG ATC ACA TGG CCC AAT GGC 10023 Ser Gly Arg Ser Ile Ile Val Asp Thr Lys Ile Thr Trp Pro Asn Gly 3180 3185 CTG ACC GTG GAC TAC GTC ACG GAA CGC ATC TAC TGG GCT GAC GCC CGT 10071 Leu Thr Val Asp Tyr Val Thr Glu Arg Ile Tyr Trp Ala Asp Ala Arg 3195 3200 3205 3210 GAG GAC TAC ATC GAG TTC GCC AGC CTG GAT GGC TCC AAC CGT CAC GTT 10119 Glu Asp Tyr Ile Glu Phe Ala Ser Leu Asp Gly Ser Asn Arg His Val 3215 3220 3225 GTG CTG AGC CAA GAC ATC CCA CAC ATC TTT GCG CTG ACC CTA TTT GAA 10167 Val Leu Ser Gln Asp Ile Pro His Ile Phe Ala Leu Thr Leu Phe Glu 3230 3235 GAC TAC GTC TAC TGG ACA GAC TGG GAA ACG AAG TCC ATC AAC CGG GCC 10215 Asp Tyr Val Tyr Trp Thr Asp Trp Glu Thr Lys Ser Ile Asn Arg Ala 3245 3250 3255 CAC AAG ACC ACG GGT GCC AAC AAA ACA CTC CTC ATC AGC ACC CTG CAC 10263 His Lys Thr Thr Gly Ala Asn Lys Thr Leu Leu Ile Ser Thr Leu His 3260 3265 3270 CGG CCC ATG GAC TTA CAT GTA TTC CAC GCC CTG CGC CAG CCA GAT GTG 10311 Arg Pro Met Asp Leu His Val Phe His Ala Leu Arg Gln Pro Asp Val 3275 3280 3285 3290 CCC AAT CAC CCC TGC AAA GTC AAC AAT GGT GGC TGC AGC AAC CTG TGC 10359 Pro Asn His Pro Cys Lys Val Asn Asn Gly Gly Cys Ser Asn Leu Cys 3295 3300 3305

#### 30/65 CTG CTG TCC CCT GGG GGT GGT CAC AAG TGC GCC TGC CCC ACC AAC TTC 10407 Leu Leu Ser Pro Gly Gly Gly His Lys Cys Ala Cys Pro Thr Asn Phe 3315 3310 3320 TAT CTG GGT GGC GAT GGC CGT ACC TGT GTG TCC AAC TGC ACA GCA AGC 10455 Tyr Leu Gly Gly Asp Gly Arg Thr Cys Val Ser Asn Cys Thr Ala Ser 3325 3330 3335 CAG TTT GTG TGC AAA AAT GAC AAG TGC ATC CCC TTC TGG TGG AAG TGT 10503 Gln Phe Val Cys Lys Asn Asp Lys Cys Ile Pro Phe Trp Trp Lys Cys 3340 3345 3350 GAC ACG GAG GAC GAC TGT GGG GAT CAC TCA GAC GAG CCT CCA GAC TGT 10551 Asp Thr Glu Asp Asp Cys Gly Asp His Ser Asp Glu Pro Pro Asp Cys 3355 3360 CCC GAG TTC AAG TGC CGC CCA GGC CAG TTC CAG TGC TCC ACC GGC ATC 10599 Pro Glu Phe Lys Cys Arg Pro Gly Gln Phe Gln Cys Ser Thr Gly Ile 3375 3380 3385 TGC ACC AAC CCT GCC TTC ATC TGT GAT GGG GAC AAT GAC TGC CAA GAC 10647 Cys Thr Asn Pro Ala Phe Ile Cys Asp Gly Asp Asn Asp Cys Gln Asp 3390 3395 3400 AAT AGT GAC GAG GCC AAT TGC GAC ATT CAC GTC TGC TTG CCC AGC CAA 10695 Asn Ser Asp Glu Ala Asn Cys Asp Ile His Val Cys Leu Pro Ser Gln 3405 3410 TTC AAG TGC ACC AAC ACC AAC CGC TGC ATT CCT GGC ATC TTC CGT TGC 10743 Phe Lys Cys Thr Asn Thr Asn Arg Cys Ile Pro Gly Ile Phe Arg Cys 3420 3425 3430 AAT GGG CAG GAC AAC TGC GGG GAC GGC GAG GAT GAG CGG GAT TGC CCT 10791 Asn Gly Gln Asp Asn Cys Gly Asp Glu Asp Glu Arg Asp Cys Pro 3435 3440 3445 3450 GAG GTG ACC TGC GCC CCC AAC CAG TTC CAG TGC TCC ATC ACC AAG CGC 10839 Glu Val Thr Cys Ala Pro Asn Gln Phe Gln Cys Ser Ile Thr Lys Arg

### FIG.6A-20

TGC ATC CCT CGC GTC TGG GTC TGT GAC AGG GAT AAT CAC TGT GTG GAC

Cys Ile Pro Arg Val Trp Val Cys Asp Arg Asp Asn His Cys Val Asp

3475

3460

3465

3480

10887

3455

3470

						AAC Asn										10935
<u></u>		8485					3490					3495				
Glu	Phe				Asp	TCT Ser				Ile	Pro					10983
	3500					3505					3510	•				
						TGT Cys			G1y	Ser				Lys	Glu	11031
3515				3	3520				3	3525				3	3530	
						TGT Cys										11079
	-	•	3	3535				3	3540				3	3545		
						CGT Arg										11127
		-	3550		J	J	•	3555	·	•	•	-	3560	•		
						GAG G1u										11175
4.5	•	3565	00.	М			3570	-5,4			_	3575	-5-			
						AAT Asn									AAG L vs	11223
	3580	1110	1110	0,5		3585	uij	, a	-		3590	uij	, 3	., ρ	2,5	
						TGT Cys										11271
3595		uly	nsp		3600		ΛIU	ДЗР	_	3605				•	3610	
-						GAC Asp										11319
1111	710	AI 9	•	3615	nec	vsh	um		3620	Cys	Lys		-	3625	cys	
						TGT Cys										11367
116	FIU		3630	אוו	710	cys	•	3635	vsh	AId	vsh	-	3640	vəh	uly	
						GGC Gly										11415

	32/03		Sale Control
	Leu Cys Lys Pro	G CTG GCC TGG AAG o Leu Ala Trp Lys 3670	
		T GAG AAC CCC GAG p Glu Asn Pro Glu 5 3	
		T TTC CGC TGC AAG o Phe Arg Cys Lys 3705	
Asp Arg Val		T GAT GGC GTG GAC s Asp Gly Val Asp 3720	
		G CCC CCC ACG GCC u Pro Pro Thr Ala 3735	
	Lys Glu Phe Le	G TGC CGA AAC CAG u Cys Arg Asn G1n 3750	
		C GAT GAC TGC GGC e Asp Asp Cys Gly 5	
		C AAG CTG ACC AGC o Lys Leu Thr Ser 3785	
Ala Thr Asn		T CGT TGT GTG CGC a Arg Cys Val Arg 3800	
		C TTC CAT ACT GTG y Phe His Thr Val 3815	
	lle Asn Glu Cy	C CTG CGC TTT GGT s Leu Arg Phe Gly 3830	

33/65	
TGC TCT CAG CTC TGG AAC AAA CCC AAG GGA GGC CAC CTC TGC AGC TGT Cys Ser Gln Leu Trp Asn Lys Pro Lys Gly Gly His Leu Cys Ser Cys 3835 3840 3845 3850	11991
GCC CGC AAC TTC ATG AAG ACA CAC AAC ACC TGC AAA GCT GAA GGC TCC Ala Arg Asn Phe Met Lys Thr His Asn Thr Cys Lys Ala Glu Gly Ser 3855 3860 3865	12039
GAG TAC CAG GTG CTA TAC ATC GCG GAT GAC AAC GAG ATC CGC AGC TTG Glu Tyr Gln Val Leu Tyr Ile Ala Asp Asp Asn Glu Ile Arg Ser Leu 3870 3875 3880	12087
TTC CCG GGC CAC CCC CAC TCA GCC TAC GAG CAG ACA TTC CAG GGC GAT Phe Pro Gly His Pro His Ser Ala Tyr Glu Gln Thr Phe Gln Gly Asp 3885 3890 3895	12135
GAG AGT GTC CGC ATA GAT GCC ATG GAT GTC CAT GTC AAG GCC GGC CGT Glu Ser Val Arg Ile Asp Ala Met Asp Val His Val Lys Ala Gly Arg 3900 3905 3910	12183
GTC TAC TGG ACT AAC TGG CAC ACG GGC ACA ATC TCC TAC AGG AGC CTG Val Tyr Trp Thr Asn Trp His Thr Gly Thr Ile Ser Tyr Arg Ser Leu 3915 3920 3925 3930	12231
CCC CCT GCC GCC CCT CCT ACC ACT TCC AAC CGC CAC CGG AGG CAG ATC Pro Pro Ala Ala Pro Pro Thr Thr Ser Asn Arg His Arg Arg Gln Ile 3935 3940 3945	12279
GAC CGG GGT GTC ACC CAC CTC AAT ATT TCA GGG CTG AAG ATG CCG AGG Asp Arg Gly Val Thr His Leu Asn Ile Ser Gly Leu Lys Met Pro Arg 3950 3955 3960	12327
GGT ATC GCT ATC GAC TGG GTG GCC GGG AAT GTG TAC TGG ACC GAT TCC Gly Ile Ala Ile Asp Trp Val Ala Gly Asn Val Tyr Trp Thr Asp Ser 3965 3970 3975	12375
GGC CGA GAC GTG ATT GAG GTG GCG CAA ATG AAG GGC GAG AAC CGC AAG Gly Arg Asp Val Ile Glu Val Ala Gln Met Lys Gly Glu Asn Arg Lys 3980 3985 3990	12423
ACG CTC ATC TCG GGC ATG ATT GAT GAG CCC CAT GCC ATC GTG GTG GAC Thr Leu Ile Ser Gly Met Ile Asp Glu Pro His Ala Ile Val Val Asp 3995 4000 4005 4010	12471

			Gly					Ser			GGG Gly		His		AAG Lys	12519
		Thr					Gly				GAG G1u	Thr			•	12567
	Asn					Thr					GAC Asp					12615
Arg					Asp					Val	ATC Ile 1070					12663
				Asp					Ala		AGC Ser			Gly		12711
			Phe					Phe			TAC Tyr		Tyr			12759
		Ile					Phe				AAG Lys	Phe				12807
	Leu					Gly					GCC Ala					12855
Leu					Lys					Thr	AAC Asn 1150				CGC Arg	12903
				Trp					Ser		AGC Ser			Val		12951
			Asn					Asp			ACC Thr		Val			12999

								35	/65						
		Pro			CCT Pro		Asp	GCC	CCT			Gly			13047
	Gln				GGT Gly	Gly					Asn				13095
Pro					CAG Gln					Gly					 13143
				Glu	TAC Tyr 1240				Gly					Ala	13191
			Met		ACG Thr			Cys					Thr		13239
		Thr			GTG Val		Ala					Asn			13287
	Thr				GGC Gly	Asn					Arg				13335
Phe	Leu	Gly	Asp	Arg	TGC Cys	Gln	Tyr	Arg	Gln	Cys	Ser	Gly			13383
				Cys	CAG G1n 1320				Asp					Cys	13431
			Tyr		GAG G1u			Arg					Lys		 13479
		Leu			GCC Ala		Val					Thr			13527

								36	/65							
	Cys	AAC Asn 4365				G1y		GTA	GCC		Ser					13575
Ile		CAC His			Asn					Thr						13623
		GAG G1u		G1n					Met			_		Cys		13671
		GTT Val	Val					Pro					Ser		<del>_</del>	13719
		CTG Leu					Leu					Ala				13767
	Trp	TAT Tyr 4445				۷a٦					Gly					13815
Arg		ACC Thr			Ala					Ile						13863
	Met	TAT Tyr	G1u	Gly	Gly	G1u	Pro	Asp	Asp	Val	Gly	Gly	Leu	Leu	Asp	13911
		TTT Phe	Ala			•		Lys					Thr			13959
		GCC Ala					Gly					Arg				14007
	Ser	ACG Thr 4525				Arg					Arg					14055

GAG ATA GGA GAT CCC TTG GCA TAGGGCCCTG CCCCGACGGA TGTCCCCAGA AAGC 14110
CCCCTGCCAC ATGAGTCTTT CAATGAACCC CCTCCCCAGC CGGCCCTTCT CCGGCCCTGC 14170
Glu Ile Gly Asp Pro Leu Ala
4540 4545

14230

CGGGTGTACA AATGTAAAAA TGAAGGAATT ACTTTTTATA TGTGAGCGAG CAAGCGAGCA

AGCACAGTAT TATCTCTTTG CATTTCCTTC CTGCCTGCTC CTCAGTATCC CCCCCATGCT 14290 GCCTTGAGGG GGCGGGGAGG GCTTTGTGGC TCAAAGGTAT GAAGGAGTCC ACATGTTCCC 14350 TACCGAGCAT ACCCCTGGAA GCCTGGCGGC ACGGCCTCCC CACCACGCCT GTGCAAGACA 14410 CTCAACGGGG CTCCGTGTCC CAGCTTTCCT TTCCTTGGCT CTCTGGGGTT AGTTCAGGGG 14470 AGGTGGAGTC CTCTGCTGAC CCTGTCTGGA AGATTTGGCT CTAGCTGAGG AAGGAGTCTT 14530 TTAGTTGAGG GAAGTCACCC CAAACCCCAG CTCCCACTTT CAGGGGCACC TCTCAGATGG 14590 CCATGCTCAG TATCCCTTCC AGACAGGCCC TCCCCTCTCT AGCGCCCCCT CTGTGGCTCC 14650 TAGGGCTGAA CACATTCTTT GGTAACTGTC CCCCAAGCCT CCCATCCCCC TGAGGGCCAG 14710 GAAGAGTCGG GGCACACCAA GGAAGGGCAA GCGGGCAGCC CCATTTTGGG GACGTGAACG 14770 TTTTAATAAT TTTTGCTGAA TTCCTTTACA ACTAAATAAC ACAGATATTG TTATAAATAA 14830 AATTGTAAAA AAAAAAAAA

FIG.6A-27

Met Leu Thr Pro Pro Leu Leu Leu Leu Val Pro Leu Leu Ser Ala Leu Val Ser Gly Ala Thr Met Asp Ala Pro Lys Thr Cys Ser Pro Lys Gln Phe Ala Cys Arg Asp Gln Ile Thr Cys Ile Ser Lys Gly Trp Arg Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser Asp Glu Ala Pro Glu Ile Cys Pro Gln Ser Lys Ala Gln Arg Cys Pro Pro Asn Glu His Ser Cys Leu Gly Thr Glu Leu Cys Val Pro Met Ser Arg Leu Cys Asn Gly Ile Gln Asp Cys Met Asp Gly Ser Asp Glu Gly Ala His Cys Arg Glu Leu 105 100 Arg Ala Asn Cys Ser Arg Met Gly Cys Gln His His Cys Val Pro Thr 115 125 Pro Ser Gly Pro Thr Cys Tyr Cys Asn Ser Ser Phe Gln Leu Glu Ala 135 Asp Gly Lys Thr Cys Lys Asp Phe Asp Glu Cys Ser Val Tyr Gly Thr 145 150 160 Cys Ser Gln Leu Cys Thr Asn Thr Asp Gly Ser Phe Thr Cys Gly Cys 165 170 Val Glu Gly Tyr Leu Leu Gln Pro Asp Asn Arg Ser Cys Lys Ala Lys 180 185 190 Asn Glu Pro Val Asp Arg Pro Pro Val Leu Leu Ile Ala Asn Ser Gln 200 205 Asn Ile Leu Ala Thr Tyr Leu Ser Gly Ala Gln Val Ser Thr Ile Thr Pro Thr Ser Thr Arg Gln Thr Thr Ala Met Asp Phe Ser Tyr Ala Asn 225 230 235 240 <u>Glu Thr Val Cys Trp Val His Val Gly Asp Ser Ala Ala Gln Thr Gln</u> 245 250 Leu Lys Cys Ala Arg Met Pro Gly Leu Lys Gly Phe Val Asp Glu His 265 260 270 Thr Ile Asn Ile Ser Leu Ser Leu His His Val Glu Gln Met Ala Ile 280 275 285 Asp Trp Leu Thr Gly Asn Phe Tyr Phe Val Asp Asp Ile Asp Asp Arg 295 300 Ile Phe Val Cys Asn Arg Asn Gly Asp Thr Cys Val Thr Leu Leu Asp 305 310 315 320

FIG.6B-1

								39/0	55					•	
Leu	Glu	Leu	Tyr	Asn 325	Pro	Lys	Gly	Ile	Ala 330	Leu	Asp	Pro	Ala	Met 335	Gly
Lys	Val	Phe	Phe 340	Thr	Asp	Tyr	Gly	G1n 345	Ile	Pro	Lys	Val	G1u 350	Arg	Cys
Asp	Met	Asp 355	Gly	Gln	Asn	Arg	Thr 360	Lys	Leu	Val	Asp	Ser 365	Lys	Ile	Val
Phe	Pro 370	His	Gly	Ile	Thr	Leu 375	Asp	Leu	Val	Ser	Arg 380	Leu	Val	Tyr	Trp
A1a 385	Asp	Ala	Tyr	Leu	Asp 390	Tyr	Ile	Glu	Val	Va1 395	Asp	Tyr	Glu	Gly	Lys 400
Gly	Arg	Gln	Thr	Ile 405	Ile	G1n	Gly	Ile	Leu 410	Ile	Glu	His	Leu	Tyr 415	Gly
	Thr		420					425					430		
Asn	Thr	G1n 435	Gln	Lys	Thr	Ser	Val 440	Ile	Arg	Val	Asn	Arg 445	Phe	Asn	Ser
	G1u 450					455					460				•
465					470					475				-	480
	Asp			485					490					495	
	Asn		500					505					510		
	Gly	515					520					525			
	Val 530					535		_			540	_		•	
545	Ala	_			550					555					560
Asn	Pro	Arg	Ala		Asp	Phe	His	Ala		_Thr_	Gly	Phe	Lle		Phe
Δla	Asp	Thr	Thr	565 Ser	Tvr	ا ما	Τlα	GIV	570	G1n	Lve	בוז	۸en	575	Thr
	•		580		-			585			_		590		
	Arg	595					600					605			
	Val 610	•	·		-	615	•		•	•	620	•	٠		
Lys 625	Lys	Thr	Ile	Ser	Va1 630	Ala	Arg	Leu	Glu	Lys 635	Ala	Ala	Gln	Thr	Arg 640
Lys	Thr	Leu	Ile	G1u 645	Gly	Lys	Met	Thr	His 650	Pro	Arg	Ala	Ile	Va1 655	Val

								40/0	J						
Asp	Pro	Leu	Asn 660	Gly	Trp	Met	Tyr	Trp 665	Thr	Asp	Trp	Glu	G1u 670	Asp <sup>3</sup>	Pro
Lys	Asp	Ser 675	Arg	Arg	Gly	Arg	Leu 680	Glu	Arg	Ala	Trp	Met 685	Asp	Gly	Ser
His	Arg 690	Asp	Ile	Phe	Val	Thr 695	Ser	Lys	Thr	Val	Leu 700	Trp	Pro	Asn	Gly
Leu 705	Ser	Leu	Asp	Ile	Pro 710	Ala	Gly	Arg	Leu	Tyr 715	Trp	Val	Asp	Ala	Phe 720
Tyr	Asp	Arg	Ile	G1u 725	Thr	Ile	Leu	Leu	Asn 730	Gly	Thr	Asp	Arg	Lys 735	Ile
Va1	Tyr	Glu	Gly 740	Pro	Glu	Leu	Asn	His 745	Ala	Phe	Gly	Leu	Cys 750	His	His
Gly	Asn	Tyr 755	Leu	Phe	Trp	Thr	G1u 760	Tyr	Arg	Ser	Gly	Ser 765	Val	Tyr	Arg
Leu	G1u 770	Arg	Gly	Val	Ala	Gly 775	Ala	Pro	Pro	Thr	Va1 780	Thr	Leu	Leu	Arg
Ser 785	G1u	Arg	Pro	Pro	Ile 790	Phe	Glu	Ile	Arg	Met 795	Tyr	Asp	Ala	His	G1u 800
Gln	Gln	Val	Gly	Thr 805	Asn	Lys	Cys	Arg	Val 810	Asn	Asn	Gly	Gly	Cys 815	Ser
Ser	Leu	Cys	Leu 820	Ala	Thr	Pro	Gly	Ser 825	Arg	G1n	Cys	Ala	Cys 830	Ala	Glu
Asp	G1n	Va1 835	Leu	Asp	Thr	Asp	Gly 840	Val	Thr	Cys	Leu	A1a 845	Asn	Pro	Ser
Tyr	Va1 850	Pro	Pro	Pro	G1n	Cys 855	Gln	Pro	Gly	G1n	Phe 860	Ala	Cys	Ala	Asn
Asn 865	Arg	Cys	Ile	G1n	G1u 870	Arg	Trp	Lys	Cys	Asp 875	Gly	Asp	Asn	Asp	Cys 880
Leu	Asp	Asn	Ser	Asp 885	Glu	Ala	Pro	Ala	Leu 890	Cys	His	Gln	His	Thr 895	Cys
Pro	Ser	Asp		Phe	Lys	Cys	G1u		Asn	Arg	Cys	Ile		Asn	Arg
Tnn	1 011	Cva	900	C1.4	A a.n.	۸۵۵	<b>^ ~~</b>	905	01.4	A = 1=	Can	01	910	01	C
		915			-		920					925	•	Glu	
	930					935					940			Ser	_
945					950					955				Asp	960
	-		·	965					970					Pro 975	
Cys	Phe	Pro	Leu 980	Thr	Gln	Phe	Thr	Cys 985	Asn	Asn	Gly	Arg	Cys 990	Ile	Asn

Ile	Asn	Trp 995	Arg	Cys	Asp		Asp 1000	Asn	Asp	Cys		Asp 1005	Asn	Ser	Asp
	Ala 1010	Gly	Cys	Ser		Ser .015	Cys	Ser	Ser		G1n L020	Phe	Lys	Cys	Asn
Ser 025	Gly	Arg	Cys		Pro L030	Glu	His	Trp		Cys 1035	Asp	Gly	Asp	Asn 1	Asp .040
Cys	Gly	Asp		Ser L045	Asp	Glu	Thr		A1a L050	Asn	Cys	Thr		G1n L055	Ala
Thr	Arg		Pro LO60	Gly	Gly	Cys		Ser 1065	Asp	Glu	Phe		Cys L070	Pro	Leu
Asp		Leu L075	Cys	Ile	Pro		Arg L080	Trp	Arg	Cys	-	G1y L085	Asp	Thr	Asp
	Met L090	Asp	Ser	Ser	-	G1u 1095	Lys	Ser	Cys		Gly 1100	Val	Thr	His	Val
Cys 105	Asp	Pro	Asn		Lys l110	Phe	Gly	Cys		Asp l115	Ser	Ala	Arg	Cys 1	Ile 120
Ser	Lys	Ala		Val 125	Cys	Asp	Gly		Ser L130	Asp	Cys	Glu	-	Asn 1135	Ser
Asp	Glu		Asn L140	Cys	Glu	Ala		Ala 1145	Cys		Pro		Ser L150	His	Pro
Cys		Asn l155	Asn	Thr	Ser		Cys L160	Leu	Pro	Pro	•	Lys l165	Leu	Cys	Asp
	Lys l170	Asp	Asp	Cys		Asp 175	Gly	Ser	Asp		Gly 1180	Glu	Leu	Cys	Asp
Gln 185	Cys	Ser	Leu		Asn l190	Gly	Gly	Cys		His 1195	Asn	Cys	Ser	Val	Ala 200
Pro	Gly	Glu		Ile 1205	Val	Cys	Ser		Pro 1210	Leu	Gly	Met		Leu l215	Gly
Ser	Asp		His 1220	Thr	Cys	Gln		G1n l225	Ser	Tyr	Cys		Lys 1230	His	Leu
Lys		Ser 1235	Gln	Lys	Cys	-			Lys	Phe				Cys	Ser
	Tyr L250		Gly	Trp		Leu L255	Glu	Pro	Asp	-	G1u 1260	Thr	Cys	Arg	Ser
			Phe				Ile	Ile				Arg	His	Glu	Ile 1280
	Arg	Ile		Leu L285	His	Lys	Gly				Val	Leu		Pro 1295	
Leu	Arg				Ala	Leu	-			Leu	Ser			Ala	Leu
Tyr				Ala	Val				Ile	Tyr				Leu	Leu

								. —. ,							
-	Asn 1330	G1y	Ala	Leu			Phe				Ile 340	Gln	Tyr	Gly	Leu
Ala 345	Thr	Pro	Glu	Gly	Leu 1350		Val			Ile 1355	Ala	Gly	Asn		Tyr 1360
Trp	Val	G1u		Asn 1365	Leu		Gln			Val		Lys		Asp 1375	Gly
Thr	Leu	_	Thr 1380	Thr	Leu		_	Gly 1385	•	Ile			Pro 1390	Arg	Ala
•	-	1395	-	Pro			1400	·			1	1405			
	Ser L410			Arg		G1u L415	Ala	Ala	Ser		Ser L420	Gly	Ala	Gly	Arg
Arg 425	Thr	Ile	His	Arg	G1u L430					G1 y L435			Asn		Leu L440
Thr	Val	Asp	-	Leu 1445	Glu	Lys	Arg	Ile		Trp				Arg 1455	Ser
Asp	Ala		Tyr 1460	Ser	Ala			Asp L465		Ser			Met 1470	Glu	Va1
Leu	_	Gly 1475		Glu				His		Phe		Va1 1485	Thr	Leu	Tyr
	Gly L490	Glu	Val	Tyr	-	Thr 1495	-	-	Arg		Asn 1500	Thr	Leu	Ala	Lys
A1a 505	Asn	Lys	Trp	Thr	Gly 1510		Asn			Val 1515	Val		Arg		Asn 1520
Thr	Gln	Pro		Asp 1525	Leu	G1n	Val	-	His 1530	Pro	Ser	Arg		Pro 1535	Met
Ala	Pro		Pro 1540	Cys	Glu	Ala		G <b>1</b> y 1545	Gly		Gly		Cys 1550	Ser	His
Leu		Leu 1555	Ile	Asn	Tyr		Arg 1560	Thr	Val	Ser	-	A7a 1565	Cys	Pro	His
		Lys	Leu	His		•	Asn	Thr	Thr			-Glu	Phe	Lys	Lys
	1570		_			1575					1580		4	_	
Phe 585	Leu	Leu	Tyr	Ala	Arg 1590	GIn	Met	Glu		Arg 1595	Gly	Val	Asp		Asp 1600
Ala	Pro	Tyr	-	Asn 1605	Tyr	Ile	Ile		Phe 1610	Thr	Val	Pro	-	Ile 1615	Asp
Asn	Val		Val 1620	Leu	Asp	Tyr	-	Ala 1625	Arg	Glu	Gln		Val 1630	Tyr	Trp
Ser	-			Thr	Gln				Arg	Ala			Asn	Gly	Thr
		Glu	Thr	Val			Ala	Asp	Leu			Ala		Gly	Leu

A1a 665	Val	Asp	Trp		Ser L670		Asn	Leu		Trp 1675	Thr	Ser	Tyr	Asp 1	Thr .680
Asn	Lys	Lys		Ile 1685	Asn	Val	Ala		Leu l690	-	Gly			Lys 1695	
Ala	Val				Leu	Glu		Pro		Gly		Val		His	
Leu				Leu	Tyr	-								Met	Ala
			Gly	Ser				Leu	Leu				Gln	Lys	Gly
		Gly	Leu				Phe	Pro		Ser 1755	Lys	Leu	Tyr	Trp	Ile 1760
Ser	Ser	Gly		His 1765	Thr	Ile	Asn		Cys 1770	Asn	Leu	Asp		Ser 1775	
Leu	Glu				Thr	Met			Gln	Leu				Thr	Ala
Leu				Gly	Asp				Trp	Ala				Ser	Glu
-			Thr	_	Asn	Lys		•	_				Val	Val	Leu
		Ser	Thr	Thr		Val		His	Met			Tyr	Asp	G1u	Ser L840
	G1n	Leu				Gly		Asn	Pro			Val		- Asn 1855	-
Asp	Cys													Ser	Cys
Met				Gly	Tyr		Leu			Gly				Cys	Glu
_			Ser	Phe									Ile	Arg	Gly
		Leu	Asp	Pro			Lys	Ser	Asp			Va1	Pro	Va1	Ser
905					1910					1915					1920
Gly	Thr	Ser		Ala 1925	Val	Gly	Ile	-	Phe 1930	His	Ala	Glu		Asp 1935	Thr
Ile	Tyr		Val 1940	Asp	Met	Gly		Ser 1945	Thr	Ile	Ser		A1a 1950	Lys	Arg
Asp		Thr 1955	Trp	Arg	Glu		Val 1960	Val	Thr	Asn	_	Ile 1965	Gly	Arg	Val
	G1 y 1970	Ile	Ala	Val	-	Trp 1975	Ile	Ala	Gly				Trp	Thr	Asp
		Phe	Asp			Glu	Val	Ala			Asn	Gly	Ser	Phe	Arg

Tyr	Val	Val		Ser 2005	Gln	Gly	Leu	-	Lys 2010	Pro		Ala		Thr 2015	Val
His	Pro				Tyr			Trp 2025		Glu	-	Gly 2	His 2030	Tyr	Prọ
Arg		G1u 2035	Arg	Ser	Arg		Asp 2040	Gly		Glu	-	Va1 2045	Val	Leu	Val
	Va1 2050	Ser	Ile	Ser	-	Pro 2055	Asn	Gly	Ile		Va1 2060	Asp	Tyr	G1n	Gly
Gly 065	Lys	Leu	Tyr		Cys 2070					Asp 2075	Lys	Ile	Glu	_	Ile 2080
Asp	Leu	Glu		Gly 2085	Glu	Asn	Arg	Glu	Va1 2090	Val	Leu	Ser		Asn 2095	Asn
Met	Asp		Phe 2100	Ser	Val	Ser			Glu	-	Phe	Ile 2	Tyr 2110	Trp	Ser
Asp		Thr 2115	His	Ala	Asn		Ser 2120	Ile		Arg		Cys 2125	Lys	Asp	Asn
	Thr 2130	Asp	Ser	Val		Leu 2135		Thr	Gly		Gly 2140	Val	Gln	Leu	Lys
Asp 145	Ile	Lys	Val		Asn 2150	Arg	Asp	Arg			Gly	Thr	Asn		Cys 2160
Ala	Val	Ala		Gly 2165				Gln	Leu 2170	Cys	Leu	Tyr		Gly 2175	Gly
Gly	G1n		Ala 2180	Cys	Ala	Cys		His 2185	Gly		Leu	Ala 2	G1u 2190	Asp	Gly
Ala		Cys 2195	Arg	Glu	Tyr		G1y 2200	Tyr	Leu	Leu	-	Ser 2205	Glu	Arg	Thr
	Leu 2210	Lys	Ser	Ile		Leu 2215	Ser	-	Glu		Asn 2220	Leu	Asn	Ala	Pro
Val 225	G1n	Pro	Phe		Asp 2230	Pro	Glu	His		Lys 2235	Asn	Val	Ile		Leu 2240
Ala	Phe	Asp		Arg 2245	Ala	Gly	Thr				Thr	Pro			
Phe	Phe		Asp 2260	Ile	His	Phe		Asn 2265	Ile	Gln	Gln	Ile			Asp
Gly				Thr	Thr				Asn	Val		Ser 2285		Glu	Gly
	A1a 2290	Tyr	His	Arg				Thr	Leu	-		Thr	Ser	Tyr	Thr
		Thr	Ile				Thr	Val				Arg	Pro		A1a 2320
	Glu	Arg				Ile	Thr				Asp	Asp			

									40/0							
A	\1 a	Phe		Leu 2340	Asp	Glu	Cys		Asn 2345		Met			Thr 2350	Asn	Trp
F	lsn		Leu 2355	His	Pro	Ser		Met 2360					Ser 2365	Gly	Ala	Asn
١				Leu	Ile	G1u		Asp		Arg	Thr			Gly	Leu	Ala
			His	Arg		Glu 2390				Phe			Ala	Thr		Asp 2400
		Ile	Glu	Ara		Glu	Tvr	Asp	Glv			Ara	Tyr	Val		
	-3 -			_	2405		-		-			_	Ų.		2415	
L	_ys	Ser		Pro 2420	Val			Phe	Gly	Leu				Gly 2430	Glu	His
]	[]e					Trp		Arg		Ala		Gln		Ala	Asn	Lys
7						Met		Leu		Arg		_		Pro	Gln	G1n
			G1 v	He	He						-		Ser	Cvs	Glu	Leu
	165	1100	u.j			2470				•						2480
		Pro	Cys		Ile 2485	Asn	Asn	Gly		Cys 2490		Asp			Leu 2495	Leu
1	Γhr	His				Val	Asn				Arg		Gly			Leu
(	aln				Thr	Cys									Ala	G1n
1	Asp			Glu	Cys	Ala			Glu	Cys	Ile			Ser	Leu	Thr
	-	2530			·		2535			Ū		2540				
	Cys 545	•	Gly	Val		His 2550	Cys	Lys	Asp	-	Ser 2555		Glu	Lys		Ser 2560
			Asn		Arg 2565	Arg	Cys	Lys		Thr 2570			Gln		Asn 2575	Asn
(	Gly	Arg	-			Asn	Met			Cys			Val			Cys
(	Gly	•			Asp	Glu					Lys			Cys	Gly	Val
(				Arg	Cys			Gly	Ser	Cys			Asn		Ser	Arg
		Asn	Gln	Phe					Asp			Asp		Met		Cys 2640
			Thr	Asp			Ser	Tyr	Phe				Val	Lys		Val
				-	2645			•		2650 2650		•			2655	
	Leu	Phe			Cys	Glu	Arg				Cys	Tyr				Trp
				2660					2665					2670		

	2	2675			Asn	2	680				2	685			
2	2690	-				695				2	700				
Pro 705	Ser	Gly	Arg		Ile 2710	Pro	Met	Ser		Thr 2715	Cys	Asp	Lys		Asp :720
Asp	Cys	Glu		G1 y 2725	Glu	Asp	Glu		His 2730	Cys	Asn	Lys		Cys 2735	Ser
Glu	Ala		Phe 2740	Glu	Cys	Gln		His 2745		Cys	Ile		Lys 2750	Gln	Trp
Leu	-	Asp 2755	Gly	Ser	Asp		Cys 2760	Gly.	Asp	Gly		Asp 2765	Glu	Ala	Ala
	Cys 2770	Glu	Gly	Lys	Thr 2	Cys 2775	Gly	Pro	Ser		Phe 2780	Ser	Cys	Pro	Gly
785				2	Pro 2790				2	2795				2	2800
Cys	Thr	Asp		A1a 2805	Asp	Glu	Ser	Val 2	Thr 2810	Ala	Gly	Cys	Leu 2	Tyr 2815	Asn
Ser	Thr		Asp 2820	Asp	Arg	Glu		Met 2825	Cys	Gln	Asn		Leu 2830	Cys	Ile
Pro		His 2835	Phe	Val	Cys		His 2840	Asp	Arg	Asp		A1a 2845	Asp	Gly	Ser
-	G1u 2850	Ser	Pro	Glu	Cys	G1u 2855	Tyr	Pro	Thr		Gly 2860	Pro	Asn	Glu	Phe
Arg 865		Ala	Asn		Arg 2870	Cys	Leu	Ser		Arg 2875	Gln	Trp	Glu	Cys	Asp 2880
		_													<b>D</b>
	uiu	Asn		Cys 2885	His	Asp	His			Glu	Ala	Pro		Asn 2895	Pro
His		Thr	Ser	2885	His Glu		Lys	Cys	Asp 2890	Glu		Ser	:	2895	
	Cys	Thr	Ser 2900	2885 Pro	Glu	His	Lys	; Cys 2905	Asp 2890 Asn	Glu Ala	Ser	Ser	; Gln 2910	2895 Phe	Leu
Cys	Cys Ser	Thr Ser 2915	Ser 2900 Gly	2885 Pro Arg	Glu Cys	His Val	Lys 2 <u>Ala</u> 2920	Cys 2905 Glu	Asp 2890 Asn Ala	Glu Ala Leu	Ser Leu	Ser 2 Cys 2925	Gln 2910 <u>Asn</u>	2895 Phe <u>Gly</u>	Leu Gln
Cys Asp	Cys Ser	Thr Ser 2915 Cys	Ser 2900 Gly	2885 Pro Arg	Glu Cys Gly	His Val	Lys 2 <u>Ala</u> 2920	Cys 2905 Glu	Asp 2890 Asn Ala	Glu Ala Leu Gly	Ser Leu	Ser 2 Cys 2925	Gln 2910 <u>Asn</u>	2895 Phe <u>Gly</u>	Leu
Cys Asp	Ser Asp 2930 Leu	Thr Ser 2915 Cys	Ser 2900 Gly Gly	2885 Pro Arg Asp Lys	Glu Cys Gly	His Val Ser 2935	Lys Ala 2920 Asp	Cys 2905 <u>Glu</u> Glu	Asp 2890 Asn Ala Arg Ser	Glu Ala Leu Gly	Ser Leu Cys 2940	Ser Cys 2925 His	Gln 2910 <u>Asn</u> Val	2895 Phe Gly Asn Asp	Leu Gln
Cys Asp Cys 945	Ser Asp 2930 Leu	Thr Ser 2915 Cys Ser	Ser 2900 Gly Gly Arg Phe	2885 Pro Arg Asp Lys	Glu Cys Gly Leu 2950 Cys	Val Ser 2935 Ser	Lys Ala 2920 Asp Gly	Cys 2905 Glu Glu Cys Arg	Asp 2890 Asn Ala Arg Ser	Glu Ala Leu Gly Gln 2955 Gly	Ser Leu Cys 2940 Asp	Ser Cys 2925 His Cys	Gln 2910 <u>Asn</u> Val Glu Leu	2895 Phe Gly Asn Asp	Gln Glu Leu 2960 Asp
Cys Asp Cys 945 Lys	Ser Asp 2930 Leu Ile	Thr Ser 2915 Cys Ser Gly Arg	Ser 2900 Gly Gly Arg	Arg Asp Lys Lys 2965 Cys	Glu Cys Gly Leu 2950 Cys	Val Ser 2935 Ser Arg	Lys Ala 2920 Asp Gly Cys	Cys 2905 Glu Glu Cys Arg	Asp 2890 Asn Ala Arg Ser Pro 2970 Glu	Glu Ala Leu Gly Gln 2955 Gly	Ser Leu Cys 2940 Asp Phe	Ser Cys 2925 His Cys Arg	Gln 2910 <u>Asn</u> Val Glu Leu	2895 Phe Gly Asn Asp Lys 2975 Phe	Gln Glu Leu 2960 Asp

	Glu 8010	Gly	Tyr	Ala				Gly			His 020	Ser	Cys	Lys	Ala
		Asp	Glu		Pro	Phe	Leu	He	Phe	A1a 3035	Asn	Arg	Tyr	Tyr 3	Leu 040
	Lys	Leu			Asp	Gly		Asn	Tyr		Leu	Leu		G1n 3055	G1 y
Leu	Asn		Ala 8060	Val	Ala	Leu		Phe 3065	Asp	Tyr	Arg	Glu		Met	Ile
Tyr	_	Thr	Gly		Thr	Thr	Gln		Ser		Пe	Arg	Arg	Met	His
					Val			Leu			Thr 3100	Gly	Leu	Ser	Asn
105	-			3	3110					3115					120
·	•		;	3125				3	3130				(	Ala 3135	•
		3	3140				;	3145				3	3150	Leu	
	•	3155				;	3160				3	3165		Asp	
	3170		-			3175				3	3180			Ile	
185	·			. :	3190					3195		•			3200
				3205	•		•	•	3210					G1u 3215	
		;	3220				,	3225				•	3230		
	-1	3235					3240					3245		Trp	
•	3250					3255				;	3260	•			Ala
265				;	3270					3275					3280
				3285					3290					Cys 3295	
Val	Asn		Gly 3300		Cys	Ser		Leu 3305		Leu	Leu		Pro 3310		Gly
Gly		Lys 3315		Ala	Cys		Thr 3320		Phe	Tyr		G1 y 3325		Asp	Gly
	Thr 3330		Val	Ser		Cys 3335		Ala	Ser		Phe 3340		Cys	Lys	Asn

Asp 345	Lys	Cys	Ile		Phe 3350	Trp	Trp	Lys		Asp 3355	Thr	G1 u	Asp		Cys 360
	Asp	His				Pro	Pro			Pro		Phe		Cys 375	Arg
Dwa	C1.4	<b>را</b> ۳			Cvc	Son	Thn			Cys		۸cn			Dho
		3	3380				3	385				3	390		
Ile		Asp 3395	G1y	Asp	Asn		Cys 3400	G1n	Asp	Asn		Asp 3405	Glu	Ala	Asn
-	Asp 3410	Ile	His	Val		Leu 3415	Pro	Ser	G1n	Phe	Lys 3420	Cys	Thr	Asn	Thr
		Cvs	Πe	Pro			Phe	Ara	Cvs	Asn		G1n	Asp	Asn	Cvs
425	Ai 9	0,3	110		3430	110		, g		3435	<b>u</b> .,	<b>u</b>	ПОР		440
	Asn	Glv	Glu			Ara	Asp	Cvs		Glu	Val	Thr	Cvs		
u.,	πор	uij		3445	a.a	, s	7.00		3450	۵. ۵	• • •	• • • • •		3455	
Asn	G1n		G1n	Cys					Arg	Cys	Ile				Trp
V-1	Cvc				۸cn					Gly	Son			Dro	ΑПа
		3475		-		;	3480				3	3485			
Asn	Cys	Thr	Gln	Met				Val	Asp	Glu		Arg	Cys	Lys	Asp
	3490					3495					3500				
Ser	Gly	Arg	Cys	Ile	Pro	Ala	Arg	Trp	Lys	Cys	Asp	Gly	Glu		
505					3510					3515					3520
Cys	Gly	Asp	_	Ser 3525	Asp	Glu	Pro		G1u 3530	Glu	Cys	-		Arg 3535	Thr
Cvs	Glu	Pro			Phe	Arg	Cys	Lys	Asn	Asn	Arg	Cys	Val	Pro	Gly
			3540			J		3545					3550		
Arg	Trp	Gln	Cys	Asp	Tyr	Asp	Asn	Asp	Cys	Gly	Asp	Asn	Ser	Asp	Glu
Ŭ	-	3555	·	•	•	-	3560	•	·			3565		•	
Glu	Ser	Cys	Thr	Pro	Arg	Pro	Cys	Ser	Glu	Ser	Glu	Phe	Phe	Cys	A1 a
	3570	-				3575				•	3580				
Asn	Gly	Arg	Cys	Ile	Ala	G <sub>1</sub> y	Arg	Trp	Lys	Cys	Asp	Gly	Asp	His	Asp
585					3590			•		3595	•	_	•		3600
	Ala	Asp	Gly	Ser	Asp	Glu	Lys	Asp	Cys	Thr	Pro	Arg	Cys		
_		•		3605	•		-		3610					361 <del>5</del>	
Asp	Gln	Phe	G1n	Cys	Lys	Ser	Gly	His	Ċys	Ile	Pro	Leu	Arg	Trp	Pro
•			3620					3625					3630	•	
Cys	Asp	Ala	Asp	Ala	Asp	Cys	Met	Asp	G1y	Ser	Asp	G1u	Glu	Ala	Cys
	•	3635	•		•		3640	•			-	3645			
Gly	Thr	Gly	Val	Arg	Thr	Cys	Pro	Leu	Asp	Glu	Phe	Gln	Cys	Asn	Asn
•	3650	•		•		3655			•		3660		-		
			Lys	Pro	Leu	Ala	Trp	Lys	Cys	Asp	Gly	Glu	Asp	Asp	Cys
665		-	•		3670		•	-		3675	J		•	-	3680

Gly	Asp	Asn		Asp 8685	Glu	Asn	Pro		G1u 8690		Ala	Arg		Ile 8695	Cys
Pro	Pro		Arg 3700	Pro	Phe	Arg		Lys 3705	Asn	Asp	Arg		Cys 3710	Leu	Trp
Ile	_	Arg 3715		Cys	Asp		Val 3720			Cys		Asp 3725	Gly	Thr	Asp
	G1u 3730	Asp	Cys	Glu		Pro 3735	Thr	Ala	G1n		Pro 3740	His	Cys	Lys	Asp
Lys 745	Lys	Glu	Phe			Arg		Gln		Cys 3755	Leu	Ser	Ser	Ser	Leu 3760
Arg	Cys	Asn		Phe 3765	Asp	Asp	Cys		Asp 3770	Gly		Asp		G1u 3775	Asp
Cys	Ser		Asp 3780	Pro	Lys	Leu		Ser 3785		Ala	Thr		Ala 3790	Ser	Met
Cys	_	Asp 3795	Glu		Arg		Va1 3800			Glu		A1a 3805	Ala	Tyr	Cys
	Cys 3810	Arg	Ser	Gly		His 3815	Thr	Val	Pro		G1n 3820	Pro	•Gly	Cys	Gln
Asp 825	Ile	Asn	Glu	_	Leu 3830	Arg	Phe	Gly		Cys 3835	Ser	Gln	Leu	_	Asn 3840
Lys	Pro	Lys	-	G1 y 3845	His	Leu	Cys		Cys 3850	Ala	Arg	Asn		Met 3855	Lys
Thr	His			Cys					Ser		Tyr		Va1 3870	Leu	Tyr
Ile		Asp 3875	Asp	Asn	Glu		Arg 3880	Ser	Leu	Phe		G1 y 3885	His	Pro	His
		Tyr				Phe 3895		Gly	Asp		Ser 3900	Val	Arg	Ile	Asp
905		-			3910				•	3915		-		;	Trp 3920
<u>His</u>	Thr	Gly			Ser	_Tyr	Arg			Pro	Pro	Ala			Pro
The	The	C = ==		3925	lla c	A 50 60	Ana		3930	A an	A 15 cr	C1.4		3935	Uda
		;	3940				;	3945				•	3950		His
Leu		Ile 3955	Ser	G1y	Leu		Met 3960	Pro	Arg	Gly		A1a 3965	Ile	Asp	Trp
	A1a 3970	Gly	Asn	Val	_	Trp 3975		Asp	Ser		Arg 3980	Asp	Val	Ile	Glu
		Gln	Met		Gly 3990	Glu	Asn	Arg		Thr 3995	Leu	Ile	Ser		Met 4000
	Asp	G1u	Pro			Ile	Va1	Va1			Leu	Arg	Gly		Met
	•			4005					4010			J		4015	

								<b>.</b>							
Tyr	Trp		Asp 1020	Trp	Gly	Asn		Pro -025	Lys	Ile	Glu		Ala 030	Ala	Met
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·	4	1035				4	1040				4	045			
	Gly 1050	Leu	Ala	Val		Tyr 1055	His	Asn	Glu		Leu 1060	Tyr	Trp	Ala	Asp
		يرم ا	Ser	Val			Ser	Tle	Ara	Leu	Asn	Glv	Thr	Asp	Pro
065	Lys	Leu	Jei		1070	uij	501	110	/ 9 	1075	7.0	<b></b>	• • • •	4	1080
11.	V-7	۸٦.	۸٦ -			Lvc	Ana	Clv			Hic	Dro	Dha	Ser	
rie	Val	Ald			Ser	Lys	Arg	uly	1090	261	1113	110	1110	1095	110
				1085	_		_			<b>T</b> 1	т	T 7 .			A
Asp	Val			Asp	Tyr	He			Val	ınr	ıyr			Asn	Arg
			1100					1105	_	_			110		- -
Val		Lys 4115	Ile	His	Lys		Gly 4120	His	Ser	Pro		1 yr 125	Asn	Leu	ihr
GI v	Glv	Leu	Ser	His	Δla			Val	Va1	Leu	Tvr	His	G1n	His	Lvs
	4130	Leu	JCI	1113		4135	ЛОР	• • • • • • • • • • • • • • • • • • • •	• • •	200	1140				<b>-J</b> -
		Glu	Val	Thr			Cvs	Asp	Ara	Lvs	Lvs	Cvs	Glu	Trp	Leu
145	110	aiu	*u:		4150		0,0	7.00		4155	_3 -	-3 -			1160
	1	1	C 0 10			C1.4	Dno	Val			Cvc	Dro	Acn	Gly	
Cys	Leu	Leu		4165	ser	ury	Pro		4170	1 111	Cys	FIU		4175	Lys
A	1	۸			The	Cvc	Val			Dro	San	Dro			Dro
arg	Leu			uly	HIL	Cys			vai	FIU	361	FIU	1111	Pro	110
_			4180	_	_	0.7		4185			01		1190	A	01
Pro			Pro	Arg	Pro			Cys	ınr	Leu	GIN	Lys	Pne	Asn	GIY
		4195					4200					4205	_		
Gly	Ser	Cys	Phe	Leu	Asn	Ala	Arg	Arg	Gln			Cys	Arg	Cys	Gln
	4210					4215					4220				
Pro	Arg	Tyr	Thr	Gly	Asp	Lys	Cys	Glu	Leu	Asp	Gln	Cys	Trp	Glu	Tyr
225		•			4230					4235					4240
		Asn	G1 v	G1 v	Thr	Cvs	Ala	Ala	Ser	Pro	Ser	Gly	Met	Pro	Thr
-3-				4245		·			4250			-		4255	
Cys	Arg	Cys	Pro	Thr	Gly	Phe	Thr	Gly	Pro	<u>Lys</u>	- <del>Cys</del>	-Thr	<del>Ala</del>	<del>-Gln</del>	-Val
	. •		4260		_			4265					4270		
Cvs	Δla				Ser	Asn	Asn	Ser	Thr	Cvs	Thr	Val	Asn	G1n	Gly
0,5		4275			00.		4280			-3 -		4285			
Δsn				Cvs	Ara	Cvs	Leu	Pro	G1 v	Phe	Leu	Glv	Asp	Ara	Cys
	4290		u i i	0,0		4295			۵.5		4300				-3-
			(C] n	Cvc				Cve	C] II				Thr	Cvs	Gln
	_	Arg	GIII				i HC	. Uys		4315		uly	1111		4320
305					4310		. 07	· · · · -					т		
Met	Ala	Ala	-			Arg	Gin				ınr	val	ıyr		Glu
				4325					4330					4335	
G1 y	Pro	Arg	Cys	G Tu	ı Val	Asr	Lys	Cys	Ser	Arg	Cys				' Ala
			4340	)			,	4345	)				4350	)	

Cys		Va1 1355	Asn	Lys	G1n		G1y 1360	Asp	Val	Thr		Asn 1365	Cys	Thr	Asp
-			Ala	Pro			Leu		Cys				Cys	Ser	Åsn
		Ser	Cys							Met			Cys		Cys 400
	Pro	His		Thr 1405	Gly	Pro	Arg		G1n 1410	G1u	Gln	Val	Val	Ser  415	Gln
Gln	Gln			His	Met	Ala		Ile			Pro		Leu 1430		Leu
Leu		Leu		Leu	Val		Gly		Val				Lys	Arg	Arg
	Arg					Phe	Gln	His	Gln				Asn	Gly	Ala
Met	1450 Asn	Val	Glu		Gly	4455 Asn			Tyr		Met	Tyr	Glu		Gly 1480
465 G1u	Pro	Asp	•		4470 Gly	G1 y	Leu			Ala		Phe	Ala		
Pro	Asp	-			Asn	Phe		Asn		Val	Tyr		Thr 4510		Tyr
Met	-		His	Gly	Ser			Ser	Leu				Asp	Glu	Lys
_				Gly			Pro					Gly	Asp	Pro	Leu
Ala 545	1330					.000									

FIG.6B-14

#### 52/65 GCTACAATCC ATCTGGTCTC CTCCAGCTCC TTCTTTCTGC AAC ATG GGG AAG AAC Met Gly Lys Asn AAA CTC CTT CAT CCA AGT CTG GTT CTT CTC CTC TTG GTC CTC CTG CCC Lys Leu Leu His Pro Ser Leu Val Leu Leu Leu Val Leu Leu Pro ACA GAC GCC TCA GTC TCT GGA AAA CCG CAG TAT ATG GTT CTG GTC CCC Thr Asp Ala Ser Val Ser Gly Lys Pro Gln Tyr Met Val Leu Val Pro TCC CTG CTC CAC ACT GAG ACC ACT GAG AAG GGC TGT GTC CTT CTG AGC Ser Leu Leu His Thr Glu Thr Thr Glu Lys Gly Cys Val Leu Leu Ser TAC CTG AAT GAG ACA GTG ACT GTA AGT GCT TCC TTG GAG TCT GTC AGG Tyr Leu Asn Glu Thr Val Thr Val Ser Ala Ser Leu Glu Ser Val Arg GGA AAC AGG AGC CTC TTC ACT GAC CTG GAG GCG GAG AAT GAC GTA CTC Gly Asn Arg Ser Leu Phe Thr Asp Leu Glu Ala Glu Asn Asp Val Leu CAC TGT GTC GCC TTC GCT GTC CCA AAG TCT TCA TCC AAT GAG GAG GTA His Cys Val Ala Phe Ala Val Pro Lys Ser Ser Ser Asn Glu Glu Val ATG TTC CTC ACT GTC CAA GTG AAA GGA CCA ACC CAA GAA TTT AAG AAG Met Phe Leu Thr Val Gln Val Lys Gly Pro Thr Gln Glu Phe Lys Lys

CGG ACC ACA GTG ATG GTT AAG AAC GAG GAC AGT CTG GTC TTT GTC CAG Arg Thr Thr Val Met Val Lys Asn Glu Asp Ser Leu Val Phe Val Gln ACA GAC AAA TCA ATC TAC AAA CCA GGG CAG ACA GTG AAA TTT CGT GTT Thr Asp Lys Ser Ile Tyr Lys Pro Gly Gln Thr Val Lys Phe Arg Val GTC TCC ATG GAT GAA AAC TTT CAC CCC CTG AAT GAG TTG ATT CCA CTA Val Ser Met Asp Glu Asn Phe His Pro Leu Asn Glu Leu Ile Pro Leu 

#### 53/65 GTA TAC ATT CAG GAT CCC AAA GGA AAT CGC ATC GCA CAA TGG CAG AGT Val Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln Trp Gln Ser TTC CAG TTA GAG GGT GGC CTC AAG CAA TTT TCT TTT CCC CTC TCA TCA Phe Gln Leu Glu Gly Gly Leu Lys Gln Phe Ser Phe Pro Leu Ser Ser GAG CCC TTC CAG GGC TCC TAC AAG GTG GTG GTA CAG AAG AAA TCA GGT Glu Pro Phe Gln Gly Ser Tyr Lys Val Val Gln Lys Lys Ser Gly GGA AGG ACA GAG CAC CCT TTC ACC GTG GAG GAA TTT GTT CTT CCC AAG Gly Arg Thr Glu His Pro Phe Thr Val Glu Glu Phe Val Leu Pro Lys TTT GAA GTA CAA GTA ACA GTG CCA AAG ATA ATC ACC ATC TTG GAA GAA Phe Glu Val Gln Val Thr Val Pro Lys Ile Ile Thr Ile Leu Glu Glu GAG ATG AAT GTA TCA GTG TGT GGC CTA TAC ACA TAT GGG AAG CCT GTC Glu Met Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro Val CCT GGA CAT GTG ACT GTG AGC ATT TGC AGA AAG TAT AGT GAC GCT TCC Pro Gly His Val Thr Val Ser Ile Cys Arg Lys Tyr Ser Asp Ala Ser GAC TGC CAC GGT GAA GAT TCA CAG GCT TTC TGT GAG AAA TTC AGT GGA Asp Cys His Gly Glu Asp Ser Gln Ala Phe Cys Glu Lys Phe Ser Gly <del>290</del> CAG CTA AAC AGC CAT GGC TGC TTC TAT CAG CAA GTA AAA ACC AAG GTC Gln Leu Asn Ser His Gly Cys Phe Tyr Gln Gln Val Lys Thr Lys Val TTC CAG CTG AAG AGG AAG GAG TAT GAA ATG AAA CTT CAC ACT GAG GCC Phe Gln Leu Lys Arg Lys Glu Tyr Glu Met Lys Leu His Thr Glu Ala CAG ATC CAA GAA GAA GGA ACA GTG GTG GAA TTG ACT GGA AGG CAG TCC Gln Ile Gln Glu Glu Gly Thr Val Val Glu Leu Thr Gly Arg Gln Ser

#### 54/65 AGT GAA ATC ACA AGA ACC ATA ACC AAA CTC TCA TTT GTG AAA GTG GAC Ser Glu Ile Thr Arg Thr Ile Thr Lys Leu Ser Phe Val Lys Val Asp TCA CAC TTT CGA CAG GGA ATT CCC TTC TTT GGG CAG GTG CGC CTA GTA Ser His Phe Arg Gln Gly Ile Pro Phe Phe Gly Gln Val Arg Leu Val GAT GGG AAA GGC GTC CCT ATA CCA AAT AAA GTC ATA TTC ATC AGA GGA Asp Gly Lys Gly Val Pro Ile Pro Asn Lys Val Ile Phe Ile Arg Gly AAT GAA GCA AAC TAT TAC TCC AAT GCT ACC ACG GAT GAG CAT GGC CTT Asn Glu Ala Asn Tyr Tyr Ser Asn Ala Thr Thr Asp Glu His Gly Leu GTA CAG TTC TCT ATC AAC ACC ACC AAC GTT ATG GGT ACC TCT CTT ACT Val Gln Phe Ser Ile Asn Thr Thr Asn Val Met Gly Thr Ser Leu Thr GTT AGG GTC AAT TAC AAG GAT CGT AGT CCC TGT TAC GGC TAC CAG TGG Val Arg Val Asn Tyr Lys Asp Arg Ser Pro Cys Tyr Gly Tyr Gln Trp GTG TCA GAA GAA CAC GAA GAG GCA CAT CAC ACT GCT TAT CTT GTG TTC Val Ser Glu Glu His Glu Glu Ala His His Thr Ala Tyr Leu Val Phe TCC CCA AGC AAG AGC TTT GTC CAC CTT GAG CCC ATG TCT CAT GAA CTA Ser Pro Ser Lys Ser Phe Val His Leu Glu Pro Met Ser His Glu Leu CCC TGT GGC CAT ACT CAG ACA GTC CAG GCA CAT TAT ATT CTG AAT GGA Pro Cys Gly His Thr Gln Thr Val Gln Ala His Tyr Ile Leu Asn Gly GGC ACC CTG CTG GGG CTG AAG AAG CTC TCC TTT TAT TAT CTG ATA ATG Gly Thr Leu Leu Gly Leu Lys Lys Leu Ser Phe Tyr Tyr Leu Ile Met GCA AAG GGA GGC ATT GTC CGA ACT GGG ACT CAT GGA CTG CTT GTG AAG Ala Lys Gly Gly Ile Val Arg Thr Gly Thr His Gly Leu Leu Val Lys

#### 55/65 CAG GAA GAC ATG AAG GGC CAT TTT TCC ATC TCA ATC CCT GTG AAG TCA Gln Glu Asp Met Lys Gly His Phe Ser Ile Ser Ile Pro Val Lys Ser GAC ATT GCT CCT GTC GCT CGG TTG CTC ATC TAT GCT GTT TTA CCT ACC Asp Ile Ala Pro Val Ala Arg Leu Leu Ile Tyr Ala Val Leu Pro Thr GGG GAC GTG ATT GGG GAT TCT GCA AAA TAT GAT GTT GAA AAT TGT CTG Gly Asp Val Ile Gly Asp Ser Ala Lys Tyr Asp Val Glu Asn Cys Leu GCC AAC AAG GTG GAT TTG AGC TTC AGC CCA TCA CAA AGT CTC CCA GCC Ala Asn Lys Val Asp Leu Ser Phe Ser Pro Ser Gln Ser Leu Pro Ala TCA CAC GCC CAC CTG CGA GTC ACA GCG GCT CCT CAG TCC GTC TGC GCC Ser His Ala His Leu Arg Val Thr Ala Ala Pro Gln Ser Val Cys Ala CTC CGT GCT GTG GAC CAA AGC GTG CTG CTC ATG AAG CCT GAT GCT GAG Leu Arg Ala Val Asp Gln Ser Val Leu Leu Met Lys Pro Asp Ala Glu CTC TCG GCG TCC TCG GTT TAC AAC CTG CTA CCA GAA AAG GAC CTC ACT Leu Ser Ala Ser Ser Val Tyr Asn Leu Leu Pro Glu Lys Asp Leu Thr GGC TTC CCT GGG CCT TTG AAT GAC CAG GAC GAT GAA GAC TGC ATC AAT Gly Phe Pro Gly Pro Leu Asn Asp Gln Asp Asp Glu Asp Cys Ile Asn CGT CAT AAT GTC TAT ATT AAT GGA ATC ACA TAT ACT CCA GTA TCA AGT Arg His Asn Val Tyr Ile Asn Gly Ile Thr Tyr Thr Pro Val Ser Ser ACA AAT GAA AAG GAT ATG TAC AGC TTC CTA GAG GAC ATG GGC TTA AAG Thr Asn Glu Lys Asp Met Tyr Ser Phe Leu Glu Asp Met Gly Leu Lys GCA TTC ACC AAC TCA AAG ATT CGT AAA CCC AAA ATG TGT CCA CAG CTT Ala Phe Thr Asn Ser Lys Ile Arg Lys Pro Lys Met Cys Pro Gln Leu

FIG.7A-4

56/65 CAA CAG TAT GAA ATG CAT GGA CCT GAA GGT CTA CGT GTA GGT TTT TAT Gln Gln Tyr Glu Met His Gly Pro Glu Gly Leu Arg Val Gly Phe Tyr GAG TCA GAT GTA ATG GGA AGA GGC CAT GCA CGC CTG GTG CAT GTT GAA Glu Ser Asp Val Met Gly Arg Gly His Ala Arg Leu Val His Val Glu GAG CCT CAC ACG GAG ACC GTA CGA AAG TAC TTC CCT GAG ACA TGG ATC Glu Pro His Thr Glu Thr Val Arg Lys Tyr Phe Pro Glu Thr Trp Ile TGG GAT TTG GTG GTG GTA AAC TCA GCA GGG GTG GCT GAG GTA GGA GTA Trp Asp Leu Val Val Val Asn Ser Ala Gly Val Ala Glu Val Gly Val ACA GTC CCT GAC ACC ATC ACC GAG TGG AAG GCA GGG GCC TTC TGC CTG Thr Val Pro Asp Thr Ile Thr Glu Trp Lys Ala Gly Ala Phe Cys Leu TCT GAA GAT GCT GGA CTT GGT ATC TCT TCC ACT GCC TCT CTC CGA GCC Ser Glu Asp Ala Gly Leu Gly Ile Ser Ser Thr Ala Ser Leu Arg Ala TTC CAG CCC TTC TTT GTG GAG CTT ACA ATG CCT TAC TCT GTG ATT CGT Phe Gln Pro Phe Phe Val Glu Leu Thr Met Pro Tyr Ser Val Ile Arg GGA GAG GCC TTC ACA CTC AAG GCC ACG GTC CTA AAC TAC CTT CCC AAA Gly Glu Ala Phe Thr Leu Lys Ala Thr Val Leu Asn Tyr Leu Pro Lys TGC ATC CGG GTC AGT GTG CAG CTG GAA GCC TCT CCC GCC TTC CTT GCT Cys Ile Arg Val Ser Val Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala GTC CCA GTG GAG AAG GAA CAA GCG CCT CAC TGC ATC TGT GCA AAC GGG Val Pro Val Glu Lys Glu Gln Ala Pro His Cys Ile Cys Ala Asn Gly CGG CAA ACT GTG TCC TGG GCA GTA ACC CCA AAG TCA TTA GGA AAT GTG Arg Gln Thr Val Ser Trp Ala Val Thr Pro Lys Ser Leu Gly Asn Val 

FIG.7A-5

#### 57/65 AAT TTC ACT GTG AGC GCA GAG GCA CTA GAG TCT CAA GAG CTG TGT GGG Asn Phe Thr Val Ser Ala Glu Ala Leu Glu Ser Gln Glu Leu Cys Gly ACT GAG GTG CCT TCA GTT CCT GAA CAC GGA AGG AAA GAC ACA GTC ATC Thr Glu Val Pro Ser Val Pro Glu His Gly Arg Lys Asp Thr Val Ile AAG CCT CTG TTG GTT GAA CCT GAA GGA CTA GAG AAG GAA ACA ACA TTC Lys Pro Leu Leu Val Glu Pro Glu Gly Leu Glu Lys Glu Thr Thr Phe AAC TCC CTA CTT TGT CCA TCA GGT GGT GAG GTT TCT GAA GAA TTA TCC Asn Ser Leu Leu Cys Pro Ser Gly Gly Glu Val Ser Glu Glu Leu Ser CTG AAA CTG CCA CCA AAT GTG GTA GAA GAA TCT GCC CGA GCT TCT GTC Leu Lys Leu Pro Pro Asn Val Val Glu Glu Ser Ala Arg Ala Ser Val TCA GTT TTG GGA GAC ATA TTA GGC TCT GCC ATG CAA AAC ACA CAA AAT Ser Val Leu Gly Asp Ile Leu Gly Ser Ala Met Gln Asn Thr Gln Asn CTT CTC CAG ATG CCC TAT GGC TGT GGA GAG CAG AAT ATG GTC CTC TTT Leu Leu Gln Met Pro Tyr Gly Cys Gly Glu Gln Asn Met Val Leu Phe GCT CCT AAC ATC TAT GTA CTG GAT TAT CTA AAT GAA ACA CAG CAG CTT Ala Pro Asn Ile Tyr Val Leu Asp Tyr Leu Asn Glu Thr Gln Gln Leu ACT CCA GAG GTC AAG TCC AAG GCC ATT GGC TAT CTC AAC ACT GGT TAC Thr Pro Glu Val Lys Ser Lys Ala Ile Gly Tyr Leu Asn Thr Gly Tyr CAG AGA CAG TTG AAC TAC AAA CAC TAT GAT GGC TCC TAC AGC ACC TTT Gln Arg Gln Leu Asn Tyr Lys His Tyr Asp Gly Ser Tyr Ser Thr Phe GGG GAG CGA TAT GGC AGG AAC CAG GGC AAC ACC TGG CTC ACA GCC TTT Gly Glu Arg Tyr Gly Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala Phe

FIG.7A-6

#### 58/65 GTT CTG AAG ACT TTT GCC CAA GCT CGA GCC TAC ATC TTC ATC GAT GAA Val Leu Lys Thr Phe Ala Gln Ala Arg Ala Tyr Ile Phe Ile Asp Glu GCA CAC ATT ACC CAA GCC CTC ATA TGG CTC TCC CAG AGG CAG AAG GAC -3271Ala His Ile Thr Gln Ala Leu Ile Trp Leu Ser Gln Arg Gln Lys Asp AAT GGC TGT TTC AGG AGC TCT GGG TCA CTG CTC AAC AAT GCC ATA AAG Asn Gly Cys Phe Arg Ser Ser Gly Ser Leu Leu Asn Asn Ala Ile Lys GGA GGA GTA GAA GAT GAA GTG ACC CTC TCC GCC TAT ATC ACC ATC GCC Gly Gly Val Glu Asp Glu Val Thr Leu Ser Ala Tyr Ile Thr Ile Ala CTT CTG GAG ATT CCT CTC ACA GTC ACT CAC CCT GTT GTC CGC AAT GCC Leu Leu Glu Ile Pro Leu Thr Val Thr His Pro Val Val Arg Asn Ala CTG TTT TGC CTG GAG TCA GCC TGG AAG ACA GCA CAA GAA GGG GAC CAT Leu Phe Cys Leu Glu Ser Ala Trp Lys Thr Ala Gln Glu Gly Asp His GGC AGC CAT GTA TAT ACC AAA GCA CTG CTG GCC TAT GCT TTT GCC CTG Gly Ser His Val Tyr Thr Lys Ala Leu Leu Ala Tyr Ala Phe Ala Leu GCA GGT AAC CAG GAC AAG AGG AAG GAA GTA CTC AAG TCA CTT AAT GAG Ala Gly Asn Gln Asp Lys Arg Lys Glu Val Leu Lys Ser Leu Asn Glu GAA GCT GTG AAG AAA GAC AAC TCT GTC CAT TGG GAG CGC CCT CAG AAA Glu Ala Val Lys Lys Asp Asn Ser Val His Trp Glu Arg Pro Gln Lys CCC AAG GCA CCA GTG GGG CAT TTT TAC GAA CCC CAG GCT CCC TCT GCT Pro Lys Ala Pro Val Gly His Phe Tyr Glu Pro Gln Ala Pro Ser Ala GAG GTG GAG ATG ACA TCC TAT GTG CTC CTC GCT TAT CTC ACG GCC CAG

## FIG.7A-7

Glu Val Glu Met Thr Ser Tyr Val Leu Leu Ala Tyr Leu Thr Ala Gln

#### 59/65 CCA GCC CCA ACC TCG GAG GAC CTG ACC TCT GCA ACC AAC ATC GTG AAG Pro Ala Pro Thr Ser Glu Asp Leu Thr Ser Ala Thr Asn Ile Val Lys TGG ATC ACG AAG CAG CAG AAT GCC CAG GGC GGT TTC TCC TCC ACC CAG Trp Ile Thr Lys Gln Gln Asn Ala Gln Gly Gly Phe Ser Ser Thr Gln GAC ACA GTG GTG GCT CTC CAT GCT CTG TCC AAA TAT GGA GCC GCC ACA Asp Thr Val Val Ala Leu His Ala Leu Ser Lys Tyr Gly Ala Ala Thr TIT ACC AGG ACT GGG AAG GCT GCA CAG GTG ACT ATC CAG TCT TCA GGG Phe Thr Arg Thr Gly Lys Ala Ala Gln Val Thr Ile Gln Ser Ser Gly ACA TIT TCC AGC AAA TTC CAA GTG GAC AAC AAC AAT CGC CTG TTA CTG Thr Phe Ser Ser Lys Phe Gln Val Asp Asn Asn Asg Leu Leu Leu CAG CAG GTC TCA TTG CCA GAG CTG CCT GGG GAA TAC AGC ATG AAA GTG Gln Gln Val Ser Leu Pro Glu Leu Pro Gly Glu Tyr Ser Met Lys Val ACA GGA GAA GGA TGT GTC TAC CTC CAG ACC TCC TTG AAA TAC AAT ATT Thr Gly Glu Gly Cys Val Tyr Leu Gln Thr Ser Leu Lys Tyr Asn Ile CTC CCA GAA AAG GAA GAG TTC CCC TTT GCT TTA GGA GTG CAG ACT CTG Leu Pro Glu Lys Glu Glu Phe Pro Phe Ala Leu Gly Val Gln Thr Leu CCT CAA ACT TGT GAT GAA CCC AAA GCC CAC ACC AGC TTC CAA ATC TCC Pro Gln Thr Cys Asp Glu Pro Lys Ala His Thr Ser Phe Gln Ile Ser CTA AGT GTC AGT TAC ACA GGG AGC CGC TCT GCC TCC AAC ATG GCG ATC Leu Ser Val Ser Tyr Thr Gly Ser Arg Ser Ala Ser Asn Met Ala Ile GTT GAT GTG AAG ATG GTC TCT GGC TTC ATT CCC CTG AAG CCA ACA GTG Val Asp Val Lys Met Val Ser Gly Phe Ile Pro Leu Lys Pro Thr Val

								60/	65							
AAA	ATG	СТТ	GAA	AGA	TCT	AAC	CAT	GTG	AGC	CGG	ACA	GAA	GTC	AGC	AGC	4279
Lys	Met	Leu	Glu	Arg	Ser	Asn			Ser	Arg	Thr		Val	Ser	Ser	
			L400	٠				L405					1410			
AAC	CAT	GTC	TTG	ATT	TAC	СТТ	GAT	AAG	GTG	TCA	AAT	CAG	ACA	CTG	AGC	4327
Asn	His	Val	Leu	Пe	Tyr	Leu	Asp	Lys	Val	Ser	Asn	Gln	Thr	Leu	Ser	
		1415					1420					1425				
TTG	TTC	TTC	ACG	GTT	CTG	CAA	GAT	GTC	CCA	GTA	AGA	GAT	СТС	AAA	CCA	4375
Leu	Phe	Phe	Thr	Val	Leu	Gln	Asp	Val	Pro	Val	Arg	Asp	Leu	Lys	Pro	
	1430					1435				•	1440					
GCC	ATA	GTG	AAA	GTC	TAT	GAT	TAC	TAC	GAG	ACG	GAT	GAG	Ш	GCA	ATC	4423
						•									Ile	
1445			·	•	1450	•		-	•	1455	·				1460	
GCT	GAG	TAC	AAT	GCT	CCT	TGC	AGC	AAA	GAT	СТТ	GGA	AAT	GCT	TGA	AGACCA	4474
													Ala			
				1465		• •			1470					1		
CAAGGCTGAA AAGTGCTTTG CTGGAGTCCT GTTCTCTGAG CTCCACAGAA GACACGTGTT												4534				
										TCTG						4577

FIG.7A-9

Ser Val Ser Gly Lys Pro Gln Tyr Met Val Leu Val Pro Ser Leu Leu His Thr Glu Thr Thr Glu Lys Gly Cys Val Leu Leu Ser Tyr Leu Asn Glu Thr Val Thr Val Ser Ala Ser Leu Glu Ser Val Arg Gly Asn Arg Ser Leu Phe Thr Asp Leu Glu Ala Glu Asn Asp Val Leu His Cys Val Ala Phe Ala Val Pro Lys Ser Ser Ser Asn Glu Glu Val Met Phe Leu Thr Val Gln Val Lys Gly Pro Thr Gln Glu Phe Lys Lys Arg Thr Thr Val Met Val Lys Asn Glu Asp Ser Leu Val Phe Val Gln Thr Asp Lys Ser Ile Tyr Lys Pro Gly Gln Thr Val Lys Phe Arg Val Val Ser Met Asp Glu Asn Phe His Pro Leu Asn Glu Leu Ile Pro Leu Val Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln Trp Gln Ser Phe Gln Leu Glu Gly Gly Leu Lys Gln Phe Ser Phe Pro Leu Ser Ser Glu Pro Phe Gln Gly Ser Tyr Lys Val Val Val Gln Lys Lys Ser Gly Gly Arg Thr Glu His Pro Phe Thr Val Glu Glu Phe Val Leu Pro Lys Phe Glu Val Gln Val Thr Val Pro Lys Ile Ile Thr Ile Leu Glu Glu Glu Met Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro Val Pro Gly His Val Thr Val Ser Ile Cys Arg Lys Tyr Ser Asp Ala Ser Asp Cys His Gly Glu Asp Ser Gln Ala Phe Cys Glu Lys Phe Ser Gly Gln Leu Asn Ser His Gly Cys Phe Tyr Gln Gln Val Lys Thr Lys Val Phe Gln Leu Lys Arg Lys Glu Tyr Glu Met Lys Leu His Thr Glu Ala Gln Ile Gln Glu Glu Gly Thr Val Val Glu Leu Thr Gly Arg Gln Ser Ser Glu Ile 

FIG. 7B-1

Thr Arg Thr Ile Thr Lys Leu Ser Phe Val Lys Val Asp Ser His Phe Arg Gln Gly Ile Pro Phe Phe Gly Gln Val Arg Leu Val Asp Gly Lys Gly Val Pro Ile Pro Asn Lys Val Ile Phe Ile Arg Gly Asn Glu Ala Asn Tyr Tyr Ser Asn Ala Thr Thr Asp Glu His Gly Leu Val Gln Phe Ser Ile Asn Thr Thr Asn Val Met Gly Thr Ser Leu Thr Val Arg Val Asn Tyr Lys Asp Arg Ser Pro Cys Tyr Gly Tyr Gln Trp Val Ser Glu Glu His Glu Glu Ala His His Thr Ala Tyr Leu Val Phe Ser Pro Ser Lys Ser Phe Val His Leu Glu Pro Met Ser His Glu Leu Pro Cys Gly His Thr Gln Thr Val Gln Ala His Tyr Ile Leu Asn Gly Gly Thr Leu Leu Gly Leu Lys Lys Leu Ser Phe Tyr Tyr Leu Ile Met Ala Lys Gly Gly Ile Val Arg Thr Gly Thr His Gly Leu Leu Val Lys Gln Glu Asp Met Lys Gly His Phe Ser Ile Ser Ile Pro Val Lys Ser Asp Ile Ala Pro Val Ala Arg Leu Leu Ile Tyr Ala Val Leu Pro Thr Gly Asp Val Ile Gly Asp Ser Ala Lys Tyr Asp Val Glu Asn Cys Leu Ala Asn Lys Val Asp Leu Ser Phe Ser Pro Ser Gln Ser Leu Pro Ala Ser His Ala <del>-550</del>-<del>- 555</del>-His Leu Arg Val Thr Ala Ala Pro Gln Ser Val Cys Ala Leu Arg Ala Val Asp Gln Ser Val Leu Leu Met Lys Pro Asp Ala Glu Leu Ser Ala - 580 Ser Ser Val Tyr Asn Leu Leu Pro Glu Lys Asp Leu Thr Gly Phe Pro Gly Pro Leu Asn Asp Gln Asp Asp Glu Asp Cys Ile Asn Arg His Asn Val Tyr Ile Asn Gly Ile Thr Tyr Thr Pro Val Ser Ser Thr Asn Glu Lys Asp Met Tyr Ser Phe Leu Glu Asp Met Gly Leu Lys Ala Phe Thr 

								63/6	55						
Asn	Ser	Lys	Ile 660	Arg	Lys	Pro	Lys	Met 665	Cys	Pro	G1n	Leu	G1n 670	Gln	Tyr
Glu	Met	His 675	Gly	Pro	Glu	Gly		Arg		G1y	Phe	Tyr 685	Glu	Ser	Asp
Val	Met 690	Gly	Arg	Gly	His	A1a 695	Arg	Leu	Val	His	Val 700	Glu	Glu	Pro	His
Thr 705		Thr	Va1	Arg	Lys 710	Tyr		Pro	Glu	Thr 715	Trp	Ile	Trp	Asp	Leu 720
	Val	Val	Asn	Ser 725	Ala	Gly	Val	Ala	G1u 730		Gly		Thr	Va1 735	Pro
Asp	Thr	Ile	Thr 740		_	Lys	Ala		Ala		Cys	Leu	Ser 750	Glu	Asp
Ala	Gly	Leu 755	Gly	Ile	Ser	Ser	Thr 760				Arg	A1a 765	Phe	Gln	Pro
Phe	Phe 770		Glu	Leu	Thr	Met 775	Pro	Tyr	Ser	Val	Ile 780	Arg	Gly	Glu	Ala
Phe 785		Leu	Lys	Ala	Thr 790		Leu			Leu 795	Pro	Lys	Cys	Ile	Arg 800
	Ser	Va1	Gln	Leu 805	Glu		Ser	Pro	Ala 810	Phe	Leu	Ala	Val	Pro 815	Val
Glu	Lys	G1u	Gln 820	Ala			Cys	Ile 825	Cys	Ala	Asn	Gly	Arg 830	Gln	Thr
Val	Ser	Trp 835	Ala	Val	Thr	Pro		Ser			Asn	Va1 845	Asn	Phe	Thr
Val	Ser 850	Ala	Glu	Ala	Leu	G1u 855	Ser		Glu	Leu	Cys 860	Gly	Thr	Glu	Val
Pro 865	Ser	Val	Pro	Glu	His 870	Gly	Arg	Lys	Asp	Thr 875	Val	Ile	Lys	Pro	Leu 880
Leu	Val	Glu	Pro		Gly						Thr	Phe	Asn	Ser -895	Leu
Leu	Cys	Pro	Ser 900	Gly	Gly	Glu	Val	Ser 905	Glu	Glu	Leu	Ser	Leu 910		Leu
Pro	Pro	Asn 915	Val	Val	Glu	Glu	Ser 920	Ala	Arg	Ala	Ser	Va1 925		Val	Leu
G1 y	Asp 930	Ile	Leu	Gly	Ser	A1a 935	Met	Gln	Asn	Thr	G1n 940	Asn	Leu	Leu	Gln
Met 945	Pro	Tyr	Gly	Cys	Gly 950	Glu	Gln	Asn	Met	Va1 955		Phe	Ala	Pro	Asn 960
	Tyr	Val	Leu	Asp 965		Leu	Asn	Glu	Thr 970		Gln	Leu	Thr	Pro 975	Glu
Va1	Lys	Ser	Lys 980	Ala	Ile	G1y	Tyr	Leu 985		Thr	Gly	Tyr	G1n 990		Gln

Leu	Asn	Tyr 995	Lys	His	Tyr			Ser		Ser		Phe .005	Gly	Glu	Arg ·
_	Gly 1010		Asn	Gln			Thr		Leu				Val	Leu	Lys
		Ala	Gln		Arg		Tyr		Phe		Asp		Ala	His 1	Ile .040
	G1n	Ala												G1 y L055	
		1	1060				1	L065				1	L070	Gly	
	•	1075				]	L080			•	-	L085		Leu	
	1090				-	L095				-	1100			Phe	
105					1110					1115					L120
				1125				•	1130				•	Gly 1135	
	-		1140					1145					1150	Ala	
	•	1155					1160					1165		Lys	
•	1170					1175				•	1180			Val	
185			-	•	1190.				,	1195				•	Pro 1200
				1205					1210					Ile 1215	
		•	1220					1225					1230		Val
		1235					1240					1245			Arg
•	1250					1255					1260				Ser
265					1270					1275					Val 1280
				1285					1290	٠				1295	
			1300					1305			٠		1310		<u>Glu</u>
<u>Lys</u>		Glu 1315		Pro	Phe		Leu 1320	•	Val	Gln	Ihr	Leu 1325		Gln	Thr

		Pro L	_ys Ala	His	Thr	Ser	Phe	GIn	Ile	Ser	Leu	Ser	Val
13				1335				_	.340				
	yr Thr	Gly S	Ser Arg		Ala	Ser	Asn	Met	Ala	He	Val	Asp	Val
345			1350				_	1355					1360
Lys M	et Val	Ser G	il <b>y</b> Phe	He	Pro	Leu	Lys	Pro	Thr	Val	Lys	Met	Leu
	•		•										
Glu A	rg Ser	Asn F	lis Val	Ser	Arg	Thr	Glu	VaT	Ser	Ser	Asn	His	VaT
Leu I	le Tyr	Leu A	Sp Lys	Val	Ser	Asn	Gln	Thr	Leu	Ser	Leu	Phe	Phe
												•	
		Gln A	lsp Val	Pro	Val	Arg	Asp	Leu	Lys	Pro	Ala	He	Val
14:	10			1415				-	.420				_
Lys V	al Tyr	Asp T	yr Tyr	Glu	Thr	Asp	Glu	Phe	Ala	He	Ala	Glu	Tyr
425			1430				1	.435				1	440
Asn A	a Pro	Cys S	er Lys	Asp	Leu	Gly	Asn	Ala					
		14	145			1	L <b>450</b>						

FIG.7B-5